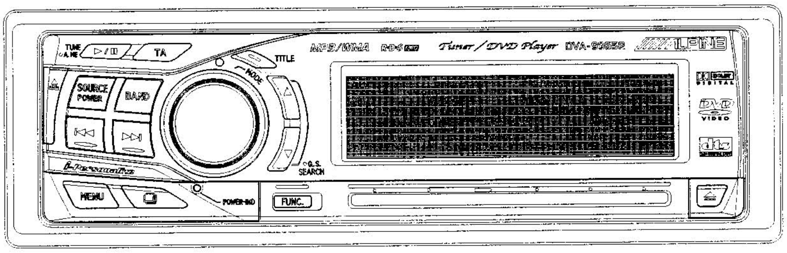
ALPINE

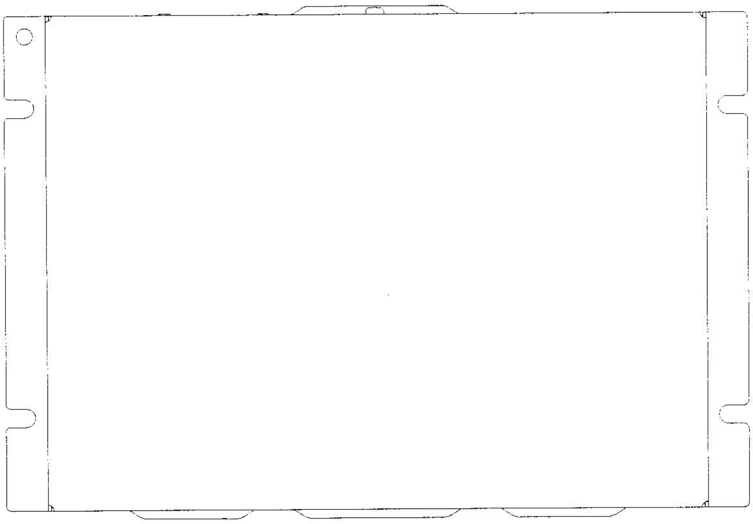
SERVICE MANUAL

RDS DVD-Video Tuner

MX MP3 Plays Windows Media™ COMPACT DISC DIGITAL AUDIO TEXT DVD VIDEO COMPACT DISC DIGITAL VIDEO DOLBY DIGITAL dts™ 2.0+DIGITAL OUT

* The model is component system unit of DVD Unit and Power Supply Unit.


TUNE A.ME
▷/II
TA
MP3/WMA
RDS
Tuner / DVD Player DVA-9965R
ALPINE
TITLE
MODE
SOURCE POWER
BAND
Q.S. SEARCH
MENU
POWER-IND
FUNC.



TO ALPINE Home Page

3 / 06-A
A05038

DVA-9965R

<Cautions for Safe Repair Work>

The following cautions will prevent accidents in the workplace and will ensure safe products.
*The symbols indicate caution is needed to prevent injuries and damage to property.
The symbols and their meanings follow.

⚠ **Warning**	If you ignore this symbol and handle the product incorrectly or unsafely, serious injury or death may result.
⚠ **Caution**	If you ignore this symbol and handle the product incorrectly or unsafely, injury or only material damage may result.

*The following symbols indicate two levels of cautions.

⚠	When you see this symbol, you have to be very careful.
❗	When you see this symbol, you have to follow the instructions there.

⚠ Warning

⚠	**Do not look squarely into the laser light coming from the pickup.** You may loose you sight.	❗	**Fuse Caution** Always use a designated fuse. Use of an incorrect fuse may result in a fire.

⚠ Caution

⚠	**Do not allow wiring to be caught in the screw/chassis.** If wiring is caught in the screw/chassis, it may cause a short circuit, resulting in a fire.	❗	**Battery Caution** Use the designated battery. Confirm the correct polarity and seat of the battery. An incorrect battery or an improperly connected or seated battery may result in a fire.
⚠	**High Temperature Caution** Touching the heat sink may cause severe burns.	❗	**Designated Parts Caution** Look up the part list and ensure that only designated parts are used to prevent problems or accidents.
⚠	**Reverse Power Supply Connections or Misconnections Caution** Reverse power supply connections or misconnections may cause ignition problems and smoke may result.	❗	**Wiring Caution** Ensure that the wiring is correct when rewiring to prevent problems with ignition/breakdown.
⚠	**Soldering Caution** Hot solder from solder splash may cause severe burns.	❗	**Wear Gloves** Wear gloves to prevent electrical shocks or injury from the end face of the metal.

⚠	**For the FDA laser standard, the following CAUTION label is stuck on each product.** Please be careful for repair. CAUTION-Laser radiation when open, DO NOT STARE INTO BEAM

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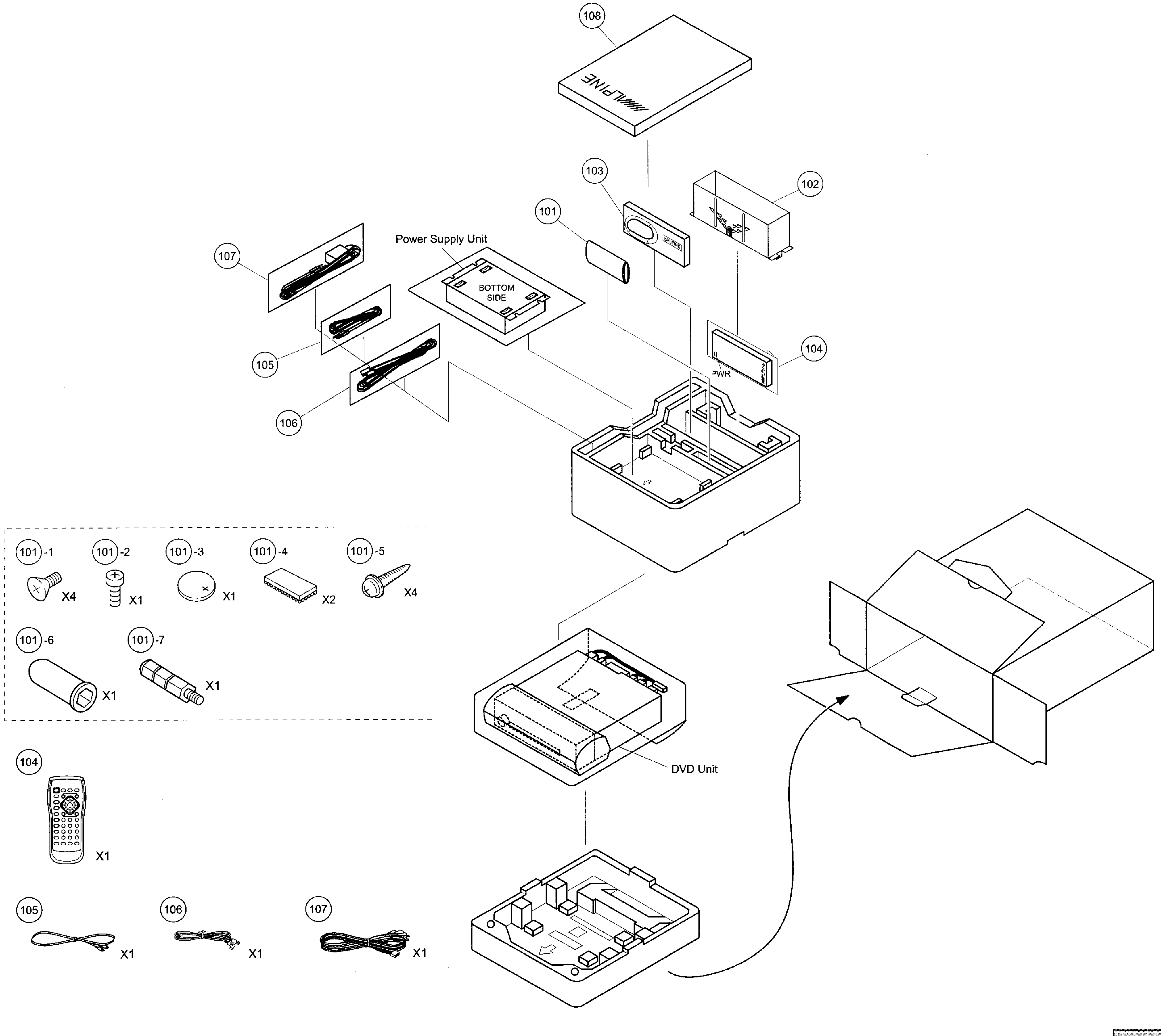
< Power Supply Unit >	71 to 77

NOTE : Due to continuing product improvement, specifications and designs are subject to change without notice.

Packing Assembly Parts List

Symbol No.	Part No.	Description
101-1	03S60820Y16	SCR,MCH 5X8 ZN A
101-2	03S60824Y01	SCR,WEV 1.7X4 ZN A
101-3	60S70585F01	BAT,LIT.3V (CR2025)
101-4	75T58346F16	PAD,MAGIC TAPE
101-5	03S60828Y03	SCR,TPG 4X14 ZN A
101-6	36A11113W01	CAP,RUBBER(A)
101-7	03A60836Y01	SCR,CUS 5X7 ZN A
102	15D61379Y01	CASE,INNER
103	15D50063Y01	CARRYING,CASE
104	97-02173Z01	ASSY,SBNN00003A
105	01T25634Y01	ASSY,WIRE VIDEO
106	01T75524Y01	ASSY,CABLE-S 9990
107	09-04233Z01	ASSY,ATFC-0479-01A
108	68-02065Z31	O/M AOEU

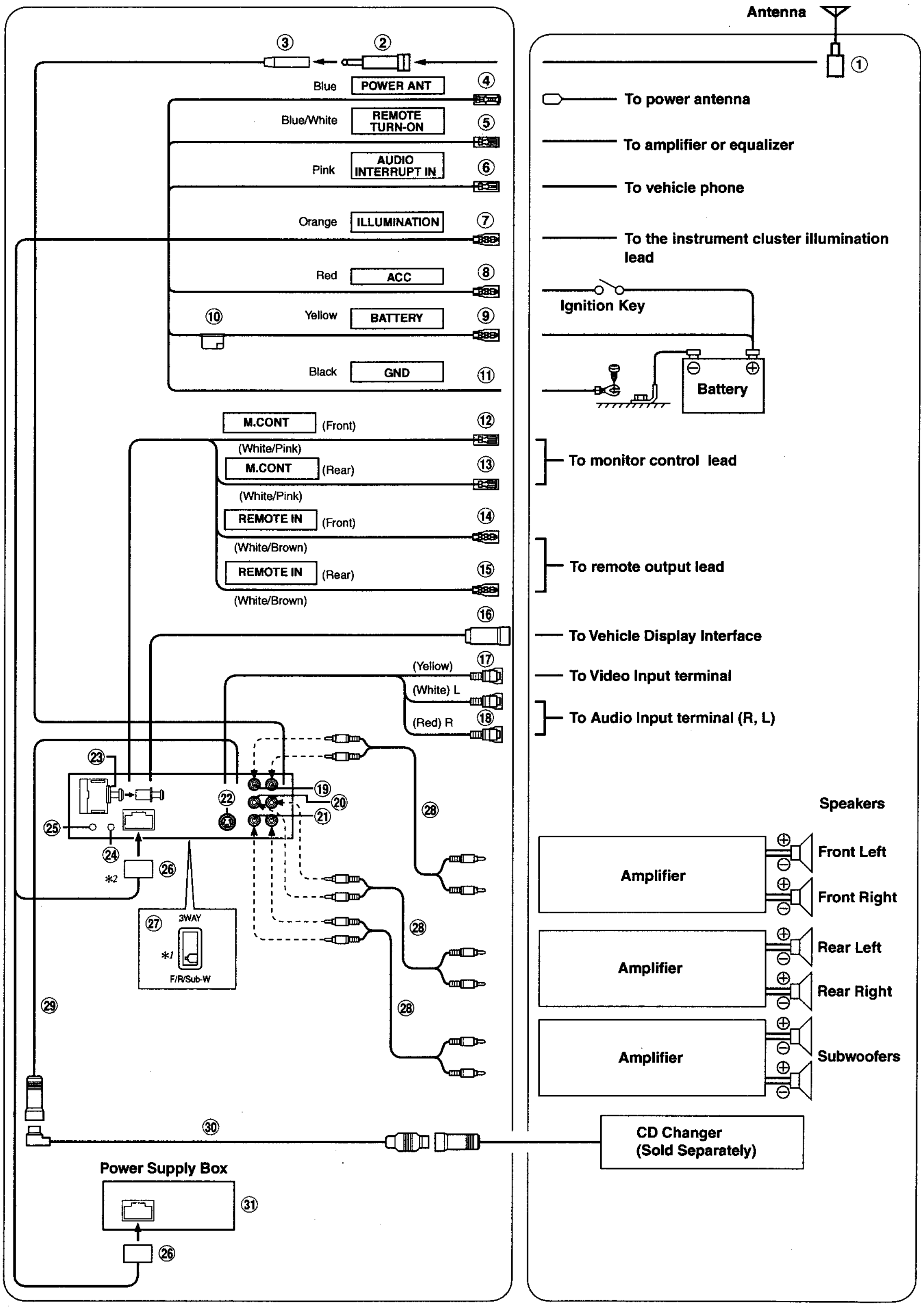
Packing Method View


108
103
102
101
107
Power Supply Unit
BOTTOM SIDE
104
PWR
105
106
DVD Unit
101-1
X4
101-2
X1
101-3
X1
101-4
X2
101-5
X4
101-6
X1
101-7
X1
104
X1
105
X1
106
X1
107
X1

TO CONTENTS

System Connections

Connections


Antenna
①
③
②
Blue
POWER ANT
④
To power antenna
Blue/White
REMOTE TURN-ON
⑤
To amplifier or equalizer
Pink
AUDIO INTERRUPT IN
⑥
To vehicle phone
Orange
ILLUMINATION
⑦
To the instrument cluster illumination lead
Red
ACC
⑧
Ignition Key
⑩
Yellow
BATTERY
⑨
Black
GND
⑪
Battery
M.CONT
(Front)
⑫
(White/Pink)
M.CONT
(Rear)
⑬
(White/Pink)
To monitor control lead
REMOTE IN
(Front)
⑭
(White/Brown)
REMOTE IN
(Rear)
⑮
(White/Brown)
To remote output lead
⑯
To Vehicle Display Interface
(Yellow)
⑰
To Video Input terminal
(White) L
(Red) R
⑱
To Audio Input terminal (R, L)
㉓
⑲
⑳
㉑
㉒
㉕
㉔
*2
㉖
㉘
㉗
3WAY
*1
F/R/Sub-W
㉘
㉘
㉙
Speakers
Amplifier
Front Left
Front Right
Amplifier
Rear Left
Rear Right
Amplifier
Subwoofers
㉚
CD Changer (Sold Separately)
Power Supply Box
㉛
㉖

---

*1 The label is attached on the bottom of the unit.

*2 **Caution about Power cable**
Use the Power cable supplied with the unit.
Do not use a Power cable that is not supplied with the unit.

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① ISO Antenna Plug

② ISO Antenna Converter Plug (sold separately)

③ Antenna Receptacle

④ Power Antenna Lead (Blue)
Connect this lead to the +B terminal of your power antenna, if applicable.

- *This lead should be used only for controlling the vehicle's power antenna. Do not use this lead to turn on an amplifier, or a signal processor, etc.*

⑤ Remote Turn-On Lead (Blue/White)
Connect this lead to the remote turn-on lead of your amplifier or signal processor.

⑥ Audio Interrupt In Lead (Pink)

⑦ Illumination Lead (Orange)
This lead may be connected to the vehicle's instrument cluster illumination lead. This will allow the backlighting of the unit to dim whenever the vehicle's lights are turned on.

⑧ Switched Power Lead (Ignition) (Red)
Connect this lead to an open terminal on the vehicle's fuse box or another unused power source which provides (+)12V only when the ignition is turned on or in the accessory position.

⑨ Battery Lead (Yellow)
Connect this lead to the positive (+) post of the vehicle's battery.

⑩ Fuse Holder (7.5A)

⑪ Ground Lead (Black)
Connect this lead to a good chassis ground on the vehicle. Make sure the connection is made to bare metal and is securely fastened using the sheet metal screw provided.

⑫ Monitor Control Lead (Front) (White/Pink)
Connect this to the Monitor Control Lead of the touch panel compatible front monitor.

⑬ Monitor Control Lead (Rear) (White/Pink)
Connect this to the Monitor Control Lead of the touch panel compatible rear monitor.

⑭ Remote Control Input Lead (Touch panel compatible front monitor) (White/Brown)
Connect this to the remote control output lead for the touch panel compatible front monitor.

⑮ Remote Control Intput Lead (Rear) (White/Brown)
Connect this to the remote control output lead for the rear monitor.

- *If the optional remote control eye (KRE-500E) is connected, the remote control signal cannot be received.*

⑯ Vehicle Display Interface Connector
Vehicle Display Interface control signals.
Connect this to the optional vehicle Display Interface box.

- *For details about connections, consult your nearest ALPINE dealer.*

⑰ Video Output Connector (Yellow)
Output the video.

⑱ Audio Output Connectors
RED is right and WHITE is left output the audio.

⑲ Front Output RCA Connectors
RED is right and WHITE is left.

⑳ Rear Output RCA Connectors
RED is right and WHITE is left.

㉑ Subwoofer RCA Connectors
RED is right and WHITE is left.

㉒ S Video output terminal
Outputs the video signal.
Connect a monitor that has a S video input terminal.

㉓ Digital Output Terminal (Optical)
Use when combining fiber digital input compatible products.

㉔ Remote Control Eye Jack
If a monitor other than Alpine is installed, it can still be controlled by the supplied remote control by installing the optional remote control eye (KRE-500E).

㉕ Steering Remote Control Interface Connector
To steering remote control interface box.

㉖ Power Supply Connector

㉗ Setting the 3WAY/2WAY switch
Set the 3way/2way switch according to your audio system.

㉘ RCA Extension Cable (sold separately)

㉙ Ai-NET Connector
Connect this to the output or input connector of other product (CD changer, Equalizer, iPod adapter*, etc.) equipped with Ai-NET.

* *When connecting iPod, the adapter KCA-420i is required. For details about connections, refer to the manual of KCA-420i.*

㉚ Ai-NET Cable (Included with CD Changer)

㉛ Power Supply Box

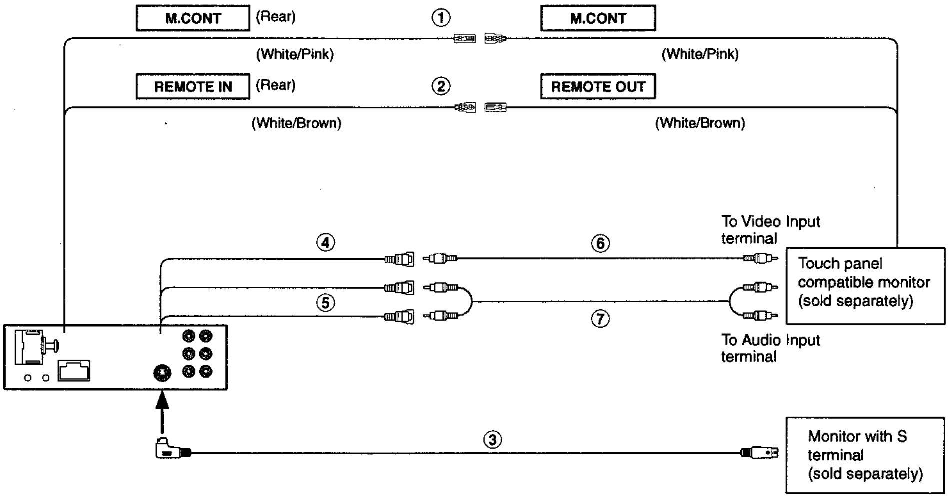
- *Do not install the Power Supply Box at a location subjected to water such as under the floor mat or air conditioner. This may cause a malfunction.*
- *Do not bundle the Power Supply Box cable with other audio cables. Doing so may induce noise into your system.*
- *Keep the Power Supply Box converter away from the Antenna cables and the rear side of the unit, otherwise noise may be generated when receiving radio broadcast.*

TO CONTENTS

System Example

Connect the external monitor

The following example shows a system connection using the S-Video output to a front monitor with S-Video input and a touch panel compatible rear monitor.


M.CONT
(Rear)
①
M.CONT
(White/Pink)
(White/Pink)
REMOTE IN
(Rear)
②
REMOTE OUT
(White/Brown)
(White/Brown)
④
⑥
To Video Input terminal
Touch panel compatible monitor (sold separately)
⑤
⑦
To Audio Input terminal
③
Monitor with S terminal (sold separately)

① Monitor Control Lead (Rear) (White/Pink)
Connect this to the Monitor Control Lead of the touch panel compatible rear monitor.

② Remote Control Input Lead (Rear) (White/Brown)
Connect this to the remote control output lead for the rear monitor (Alpine's).

③ S video cable (Included)

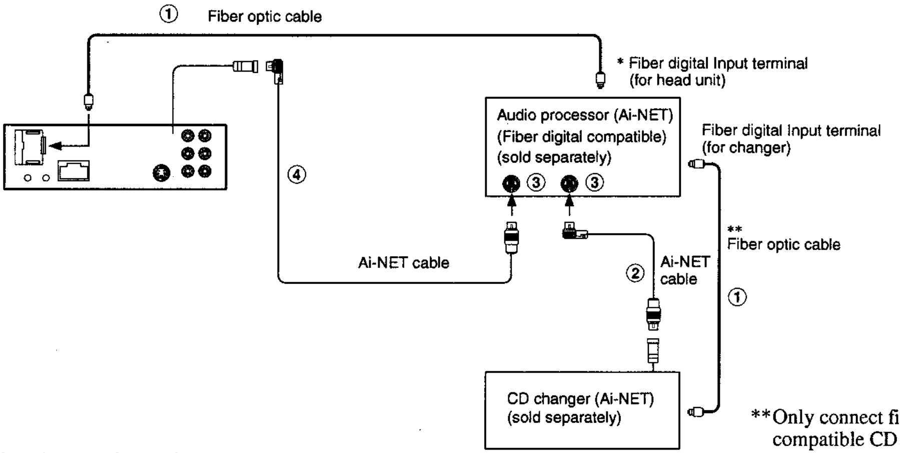
④ Video Output connectors (Yellow)

⑤ Audio Output connectors

⑥ RCA Extension Cable (Included)

⑦ RCA Extension Cable (Sold separately)

Connect the Ai-NET compatible audio processor (Fiber digital compatible) and changer


① Fiber optic cable
* Fiber digital Input terminal (for head unit)
Audio processor (Ai-NET) (Fiber digital compatible) (sold separately)
③
③
Fiber digital Input terminal (for changer)
④
**
Fiber optic cable
Ai-NET cable
②
Ai-NET cable
①
CD changer (Ai-NET) (sold separately)

**Only connect fiber digital compatible CD changer

- *When the fiber digital compatible product is connected, it is necessary to set the mode of this unit.*

- **When connecting with PXA-H510:*
  - Connect the fiber digital input terminal to the DVD.

Please observe the following when using Fiber Optic Cable.
- *Do not coil the Fiber Optic Cable smaller than a 30 mm radius.*
- *Do not place anything on top of the Fiber Optic Cable.*
- *Be careful not to bend the Fiber Optic Cable at a sharp angle.*

① Fiber optic Cable (Sold Separately)

② Ai-NET Cable (Included with CD Changer)

③ Ai-NET Connector
Connect this to the output or input connector of other product equipped with Ai-NET.

④ Ai-NET Cable (Included with Audio Processor)

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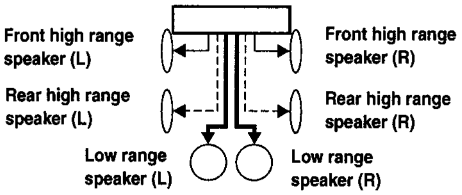
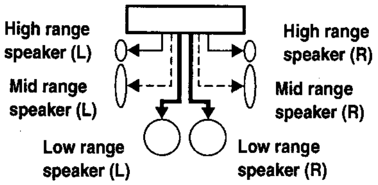
The X-Over Switch position for a two-way system (frequency range is divided between highs for front/rear and lows for the Subwoofer).

The position of the X-Over switch: F/R/Sub-W


Front high range speaker (L)
Front high range speaker (R)
Rear high range speaker (L)
Rear high range speaker (R)
Low range speaker (L)
Low range speaker (R)

The X-Over Switch position for a three-way system whose frequency range is divided among the highs (Front), mids (Rear), and lows (Subwoofer).

The position of the X-Over switch: 3WAY


High range speaker (L)
High range speaker (R)
Mid range speaker (L)
Mid range speaker (R)
Low range speaker (L)
Low range speaker (R)

Output of this unit :

——— **Front output** -------- **Rear output** ━━━ **Subwoofer output**

- *Use RCA-Type cables to connect the Subwoofer output to an amplifier driving the low range speakers.*
- *You cannot adjust the fader when set to 3WAY.*

To prevent noise/interference in the audio system.

- Locate the unit and route the leads at least 10 cm away from the car harness.
- Keep the battery power leads as far away from other leads as possible.
- Connect the ground lead securely to a bare metal spot (remove any paint, dirt or grease if necessary) of the car chassis.
- If you add an optional noise suppressor, connect it as far away from the unit as possible. Your Alpine dealer carries various noise suppressors, contact them for further information.
- Your Alpine dealer knows best about noise prevention measures so consult your dealer for further information.

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Specifications

< FM RADIO >

Intermediate Frequency	10.7±0.1MHz
Frequency Range	87.5 to 108.0MHz
Usable Sensitivity (30dB S/N, Mono, at 98.1MHz)	20.2dBf
-3dB Limiting Sensitivity (at 98.1MHz)	20.2dBf
Residual Noise (Ref. 400Hz, at 98.1MHz)	25±10dB
S/N Ratio (at 98.1MHz)	Stereo : 55dB Mono : 58dB
Image Rejection (at 106.1MHz)	40dB
IF Rejection (at 90.1MHz)	60dB
Distortion (Input 60dBu, at 98.1MHz)	1.0%
Frequency Response (Ref. 400Hz, at 98.1MHz)	100Hz : 0±3dB 10kHz : -11±3dB
Stereo Separation (1kHz, at 98.1MHz)	25dB
TP Sensitivity (at 98.1MHz)	36.2dBf

< MW RADIO >

Intermediate Frequency	10.7±0.1MHz
Frequency Range	531 to 1,602kHz
Usable Sensitivity (20dB S/N, at 999kHz)	38dB
S/N Ratio (at 999kHz)	45dB
Image Rejection (at 1,404kHz)	50dB
IF Rejection (at 603kHz)	60dB
Distortion (at 999kHz)	1.0%
Frequency Response (Ref. 1kHz, at 999kHz)	100Hz : -2 +2/-4dB 2.5kHz : -3 +3/-7dB

< LW RADIO >

Intermediate Frequency	10.7±0.1MHz
Frequency Range	153 to 281kHz
Usable Sensitivity (20dB S/N, at 216kHz)	42dB
S/N Ratio (at 216kHz)	45dB
Image Rejection (at 270kHz)	50dB
IF Rejection (at 162kHz)	60dB
Distortion (at 216kHz)	1.0%
Frequency Response (Ref. 1kHz, at 216kHz)	100Hz : -2 +2/-4dB 2.5kHz : -3 +3/-7dB

< CD/DVD SECTION >

System	Optical (DVD System)

(CD AUDIO)

Channel Balance (1kHz, TCD-782)	0±3dB
Distortion (1kHz, TCD-782)	0.1%
Frequency Response (Ref. 1kHz, TCD-782)	17Hz : 0±3dB 127Hz : 0±2dB 10.007kHz : 0±2dB 19.997kHz : -2±4dB
S/N Ratio (TCD-782)	80dB
Separation (1kHz, TCD-782)	70dB
De-Emphasis (Ref. 1kHz, TCD-782)	4kHz : -20±3dB 16kHz : -20±3dB

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(MP-3 AUDIO)

Distortion (1kHz, SCD-4419 or 5100 (128kbps))	0.1%
Separation (1kHz, SCD-4419 or 5100 (128kbps))	70dB

(WMA AUDIO)

Distortion (1kHz, SCD-5100 (128kbps))	0.3%
Separation (1kHz, SCD-5100 (128kbps))	70dB

(DVD-VIDEO)

***AUDIO** (Title Number 4/Audio Stream 2/LPCM 48k)

Distortion (1kHz, TDV-540A (Chapter1))	0.1%
Frequency Response (Ref. 1kHz, TDV-540A (Chapter1))	Chapter6 : 17Hz : 0±3dB Chapter8 : 127Hz : 0±2dB Chapter13 : 10.007kHz : 0±2dB Chapter15 : 19.997kHz : -2±4dB
S/N Ratio (TDV-540A (Chapter1&2))	80dB
Separation (1kHz, TDV-540A (Chapter3&4))	70dB

***AUDIO AUX-OUT** (10k ohm resistive load, Title Number 4/Audio Stream 3/LPCM 96k)

Output Level (1kHz, TDV-540A (Chapter1))	1.2±0.2Vrms
Channel Balance (1kHz, TDV-540A (Chapter1))	0±3dB
Distortion (1kHz, TDV-540A (Chapter1))	0.1%
Frequency Response (Ref. 1kHz, TDV-540A (Chapter 1))	Chapter6 : 17Hz : -1±3dB Chapter7 : 127Hz : 0±2dB Chapter13 : 19.997kHz : 0±2dB Chapter16 : 43.997kHz : -3±3dB
S/N Ratio (TDV-540A (Chapter1&2))	80dB
Separation (1kHz, TDV-540A (Chapter3&4))	70dB

***VIDEO** (PAL/Terminating Resistance : 75 ohm)

Luminance Level PAL : (V-509, Title4/Chapter3, White100%, SUBT.OFF)	1±0.15V
Luminance Frequency Response PAL : (6MHz, V-509, Title5/Chapter2, MultiBurst60%, SUBT.OFF)	-4±2dB
Luminance Signal S/N Ratio PAL : (V-509, Title4/Chapter4, White50%, SUBT.OFF)	50dB

***S-VIDEO OUT** (Y-Output Only)

Luminance Level PAL : (V-509, Title4/Chapter3, White100%, SUBT.OFF)	1±0.15V
Luminance Frequency Response PAL : (6MHz, V-509, Title5/Chapter2, MultiBurst60%, SUBT.OFF)	-4±2dB
Luminance Signal S/N Ratio PAL : (V-509, Title4/Chapter4, White50%, SUBT.OFF)	50dB

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(VIDEO-CD)

***AUDIO** (MPEG Audio)

Distortion (1kHz, TVD-581A (Track1))	0.1%
Separation (1kHz, TVD-581A (Track3&4))	70dB

***VIDEO** (PAL/Terminating Resistance : 75 ohm)

Luminance Level PAL : (HLV-402, Track22, White100%, SUBT.OFF)	1±0.15V
Luminance Frequency Response PAL : (2MHz, HLV-402, Track21, MultiBurst50%, SUBT.OFF)	-2±2dB
Luminance Signal S/N Ratio PAL : (HLV-402, Track20, Gray50%, SUBT.OFF)	45dB

***S-VIDEO OUT** (Y-Output Only)

Luminance Level PAL : (HLV-402, Track22, White100%, SUBT.OFF)	1±0.15V
Luminance Frequency Response PAL : (2MHz, HLV-402, Track21, MultiBurst50%, SUBT.OFF)	-2±2dB
Luminance Signal S/N Ratio PAL : (HLV-402, Track20, Gray50%, SUBT.OFF)	45dB

< DVD Deck Mechanism >

Test Disc	DVD-VIDEO : for Single layer disc valuation : ALMEDIO* TDV-520C for Dual layer disc valuation : ALMEDIO* TDV-540C DVD-R : ALMEDIO* TDV-R582W / TEAC MDVD-2101 DVD-RW : ALMEDIO* TDV-MW582W / TEAC MDVD-3101 (* Former maker name : A-BEX, New maker name : ALMEDIO)
RF Waveform Amplitude	1.125±0.5Vp-p
Quantity of Jitter (all-T standard deviation)	Less than 14.0%
Measurement Angle Range	Front and Rear : -20°~50° Right and Left : ±20°
Laser Current	Initial value ±2mA (The initial value of laser current is indicated on the Flexible Cable.)

< Pickup >

Wave Length	DVD : 665nm CD : 785nm
Laser Power	CLASS II

< GENERAL >

Power Supply	DC14.4V
Pre Output (at VOL.MAX, TCD-782 (1kHz, 0dB), FRONT/REAR/SUB.W (SUB.W STEP 15)) / Impedance	+12(4V)±2.5dBV / ch / 10k ohm
Back Up Current	5mA
Dimensions (W x H x D)	Chassis : 178 x 50 x 160mm Nose : 188 x 58 x 24.6mm
Weight	1.6kg

NOTE : Due to Continuing product improvement, specifications and designs are subject to change without notice.

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< Special DISC Playability >

Item		Use Disc	Specification
DVD	Scratch disc playability (Scratch)	ALMEDIO* TDV-541C / TDV-545C	More than 0.8mm
	Scratch disc playability (Black dot)		More than 0.6mm
	Scratch disc playability (Fingerprint)		More than ø65μm
	Vertical deviation disc playability	ALMEDIO* TDV-532C	±0.2mm
	Eccentric disc playability	ALMEDIO* TDV-551C	±50μm
	DVD-R playability [Chap.1&16]	ALMEDIO* TDV-R582W TEAC MDVD-2101	Reproducible
	DVD-RW playability [Chap.1&16]	ALMEDIO* TDV-MW582W TEAC MDVD-3101	Reproducible
CD-DA	Scratch disc playability (Scratch)	ALMEDIO* TCD-721 / TCD-725B	More than 0.8mm
	Scratch disc playability (Inetrruption)		More than 0.5mm
	Scratch disc playability (Black dot)		More than 0.6mm
	Scratch disc playability (Fingerprint)		More than ø65μm
	Vertical deviation disc playability	ALMEDIO* TCD-732RA	±0.3mm
	Eccentric disc playability	ALMEDIO* TCD-713R	±140μm
	CD-R playability [Track 1&23] Quantity of Jitter	ALMEDIO* TCD-R082LMR	Less than 9.5nsec
	CD-RW playability [Track 1&23] Quantity of Jitter	ALMEDIO* TCD-W082L/H	Less than 9.5nsec

(* Former maker name : A-BEX, New maker name : ALMEDIO)

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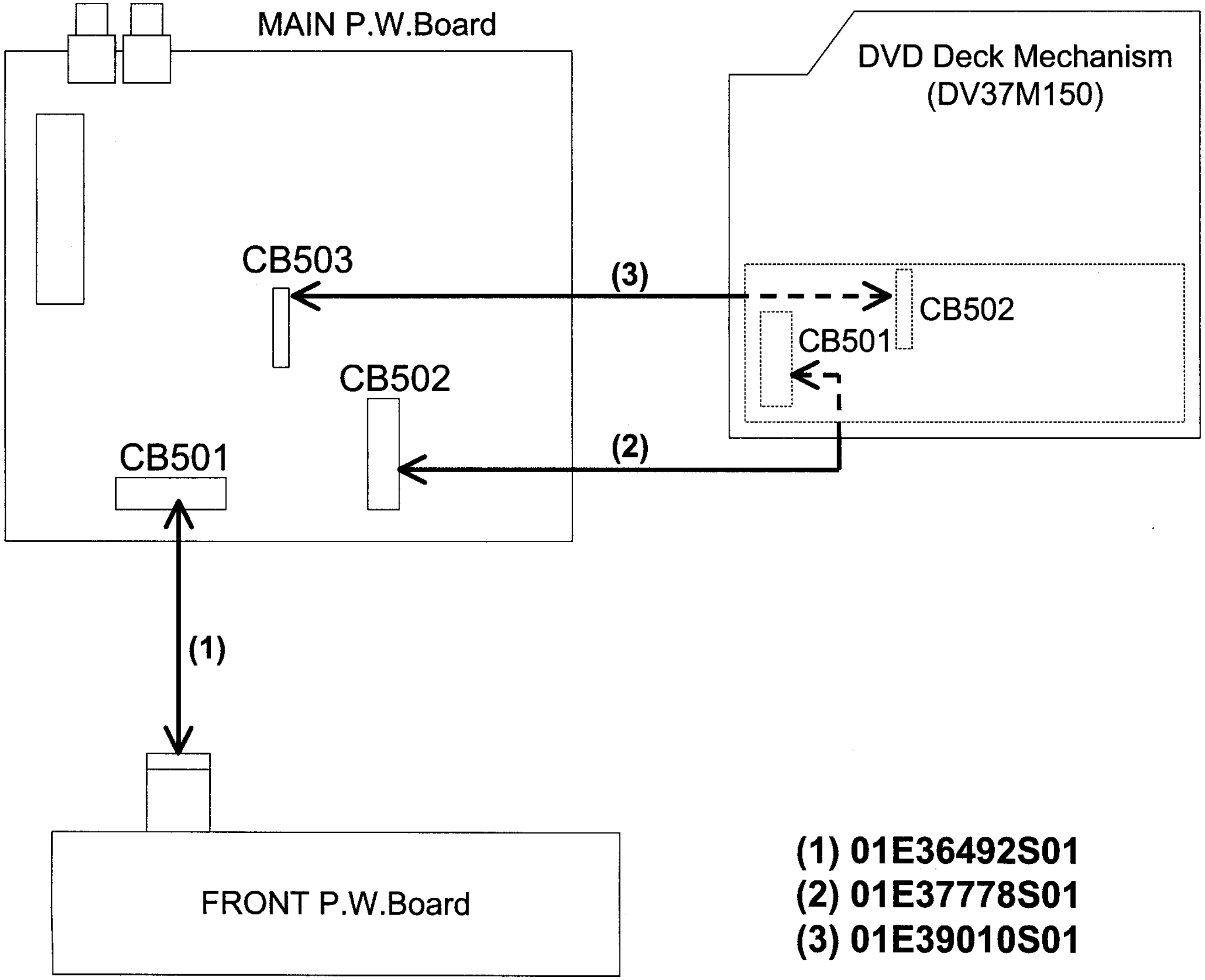
Extension Cable

*Always connect the Extension Cable when making checks of voltage and repair.


MAIN P.W.Board
CB503
CB502
CB501
DVD Deck Mechanism
(DV37M150)
CB502
CB501
(3)
(2)
(1)
FRONT P.W.Board

(1) 01E36492S01
(2) 01E37778S01
(3) 01E39010S01

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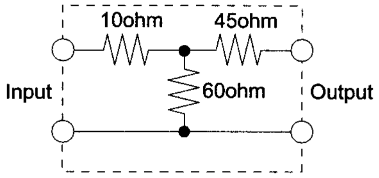
Adjustment Procedures

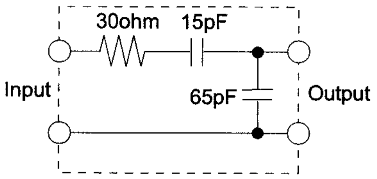
1. TUNER Adjustment

(1) Dummy Antenna Circuit


10ohm
45ohm
60ohm
Input
Output

For 50 ohm FM Signal Generator

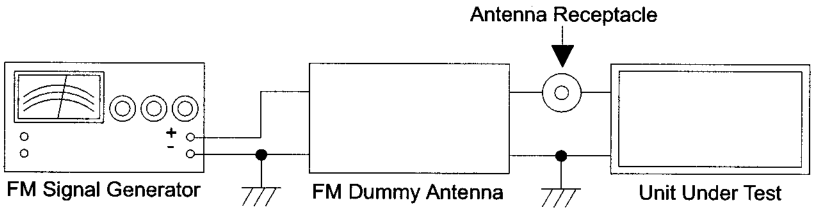
< Figure 1 >


30ohm
15pF
65pF
Input
Output

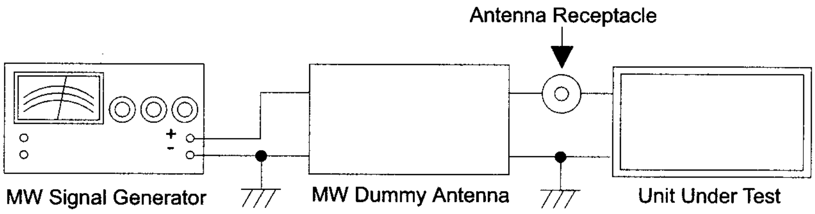
For 50 ohm MW Signal Generator

< Figure 2 >

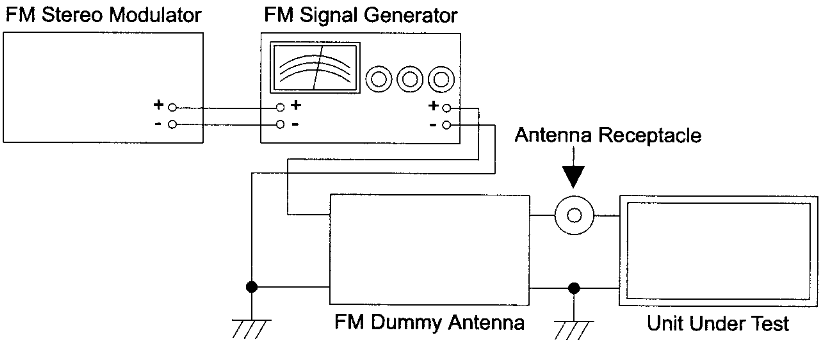
(2) Connection


Antenna Receptacle
+
-
FM Signal Generator
FM Dummy Antenna
Unit Under Test

< Figure 3 >


Antenna Receptacle
+
-
MW Signal Generator
MW Dummy Antenna
Unit Under Test

< Figure 4 >


FM Stereo Modulator
FM Signal Generator
+
-
+
-
+
-
Antenna Receptacle
FM Dummy Antenna
Unit Under Test

< Figure 5 >

(3) Control Settings

Power Switch	ON	Band Switch	FM/MW
Fader Control	Center Position	MX Effect	OFF
Balance Control	Center Position	T-CORR Effect	OFF
Treble Control	Center Position	EQ	FLAT
Bass Control	Center Position	Others	OFF

TO CONTENTS

(4) Adjustment Procedures

Step	Description	Connection	Signal Generator		Received frequency	Adjustment Procedures
1	E2PROM Clear	-	(1)	-	-	Push SOURCE+EJECT key, and push PLAY/PAUSE key
			(2)	-	-	ACC OFF and ACC ON
2	AUTO ADJUST Mode Setting	-	(1)	-	-	Select TUNER FM1 mode.
			(2)	-	-	Push TUNE+EJECT key long (more than 1.7sec). "AUTO ADJUST" is displayed.
			(3)	-	-	Push BAND key. "READY" is displayed and frequency is set to 87.5MHz.
3	FM ANT DAA Adjustment	Figure 3	(1)	87.5MHz, 46dBu (Mod. OFF)	87.5MHz	Push MENU key. "ANT DAA" is displayed and start FM ANT DAA adjustment. Frequency display changes to 98.1MHz and it is adjustment end.
			(2)	98.1MHz, 46dBu (Mod. OFF)	98.1MHz	Push MENU key and start adjustment. Frequency display changes to 108.0MHz and it is adjustment end.
			(3)	108.0MHz, 46dBu (Mod. OFF)	108.0MHz	Push MENU key and start adjustment. Frequency display changes to 87.5MHz and it is adjustment end. "LEVEL" is displayed.
4	FM LEVEL Adjustment	Figure 3	87.5MHz, 46dBu (Mod. OFF)		87.5MHz	Push MENU key and start FM LEVEL adjustment. Frequency display changes to 108.0MHz and it is adjustment end. "OFFSET" is displayed.
5	FM OFFSET Adjustment	Figure 3	108.0MHz, 46dBu (Mod. OFF)		108.0MHz	Push MENU key and start FM OFFSET adjustment. "OFFSET OK" is displayed and it is adjustment end.
6	MW LEVEL Adjustment	Figure 4	(1)	-	-	Push BAND key. "LEVEL" is displayed and frequency is set to MW 531kHz.
			(2)	531kHz, 40dBu (Mod. OFF)	531kHz	Push MENU key and start MW LEVEL adjustment. Frequency display changes to 1,602kHz and it is adjustment end. "OFFSET" is displayed.
7	MW OFFSET Adjustment	Figure 4	1,602kHz, 40dBu (Mod. OFF)		1,602kHz	Push MENU key and start MW OFFSET adjustment. "OFFSET OK" is displayed and it is adjustment end.
8	AUTO ADJUST Mode End	-	-		-	Push SOURCE key long (POWER OFF) and finish AUTO ADJUST mode.

When canceling AUTO ADJUST mode on the way, it cancels by one of methods below.
*ACC OFF *Push EJECT key *Push SOURCE key

Perform the following adjustments, when FM SEPARATION/BLEND value is NG.

9	FM SEPARATION/ BLEND Adjustment Mode Setting	-	(1)	-	-	Select TUNER FM1 mode.
			(2)	-	-	Push BAND+EJECT key long (more than 1.7sec). "SEPARATION ADJUST" is displayed.
10	FM SEPARATION Adjustment	Figure 5	108.0MHz, 56dBu (Mod. 400Hz, Dev. 75kHz, Stereo 1kHz Lch)		108.0MHz	Push BAND key. Frequency is set to 108.0MHz and start FM SEPARATION adjustment. "BLEND ADJUST" is displayed and it is adjustment end.
11	FM BLEND Adjustment	Figure 5	108.0MHz, 46dBu (Mod. 400Hz, Dev. 75kHz, Stereo 1kHz Lch)		108.0MHz	Push BAND key. Frequency is set to 108.0MHz and start FM BLEND adjustment. "BLEND ADJUST END" is displayed and it is adjustment end.
12	Adjustment Mode End	-	-		-	Push SOURCE key long (POWER OFF) and finish AUTO ADJUST mode.

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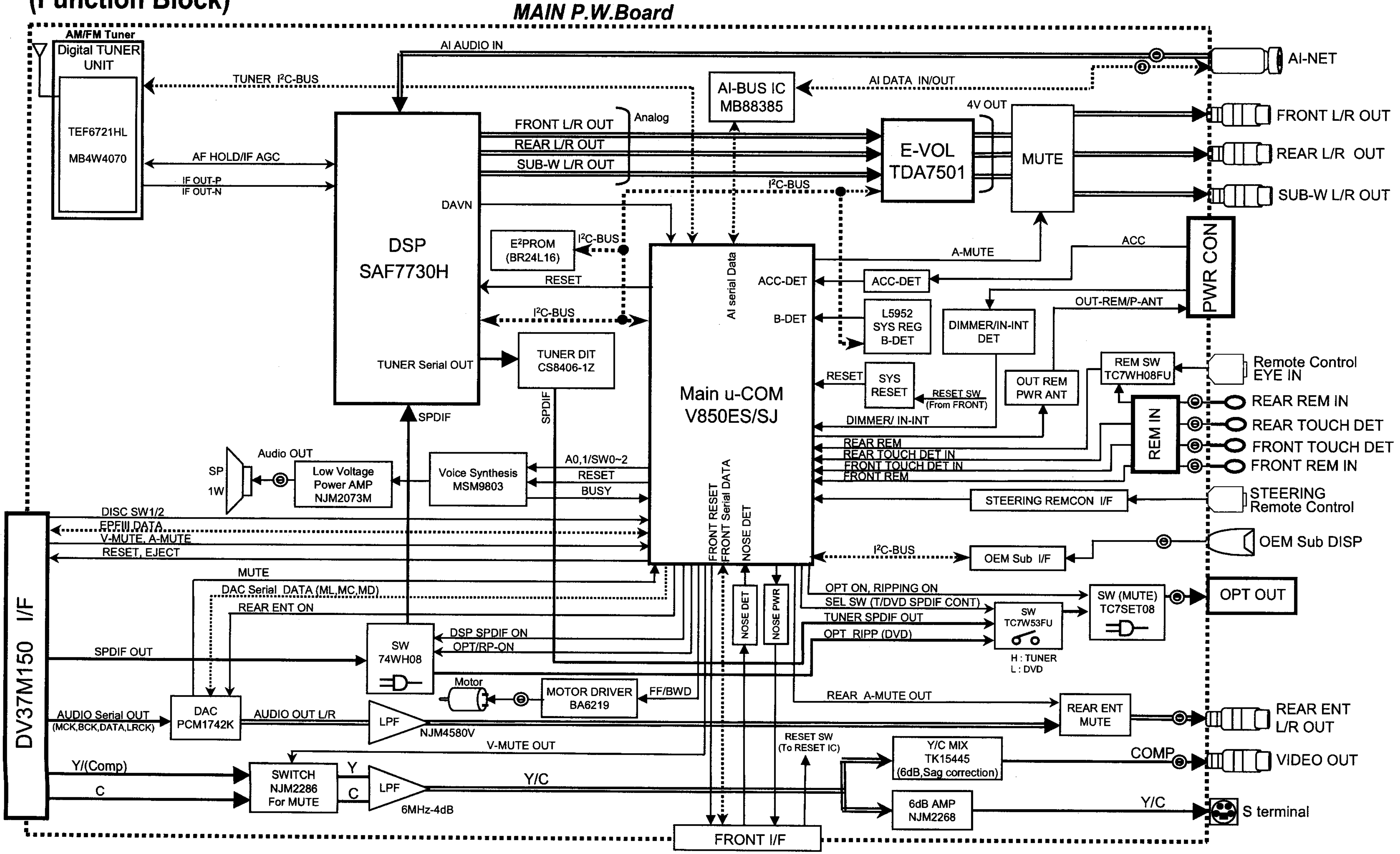
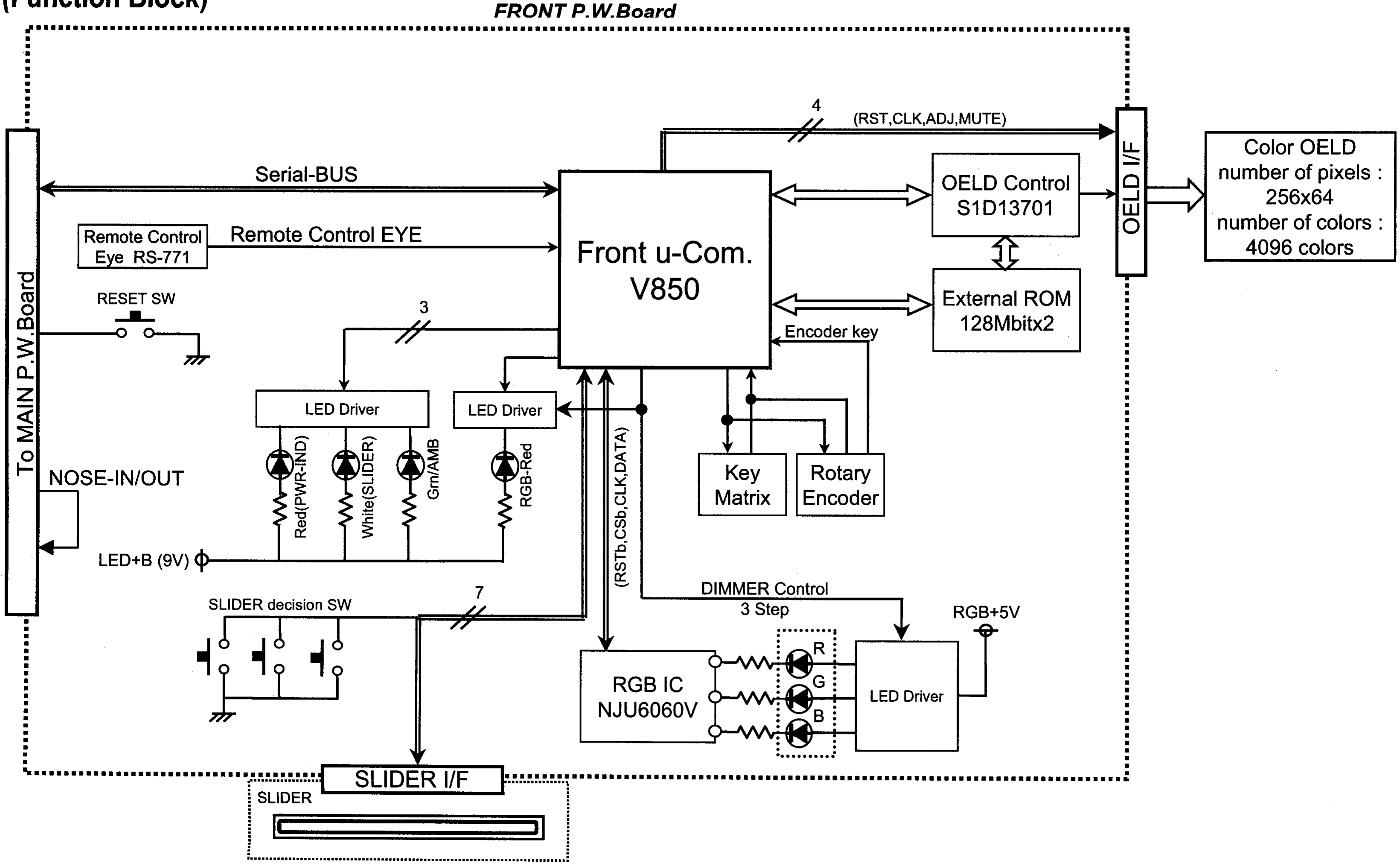
TO CONTENTS

Block Diagram
(Function Block)

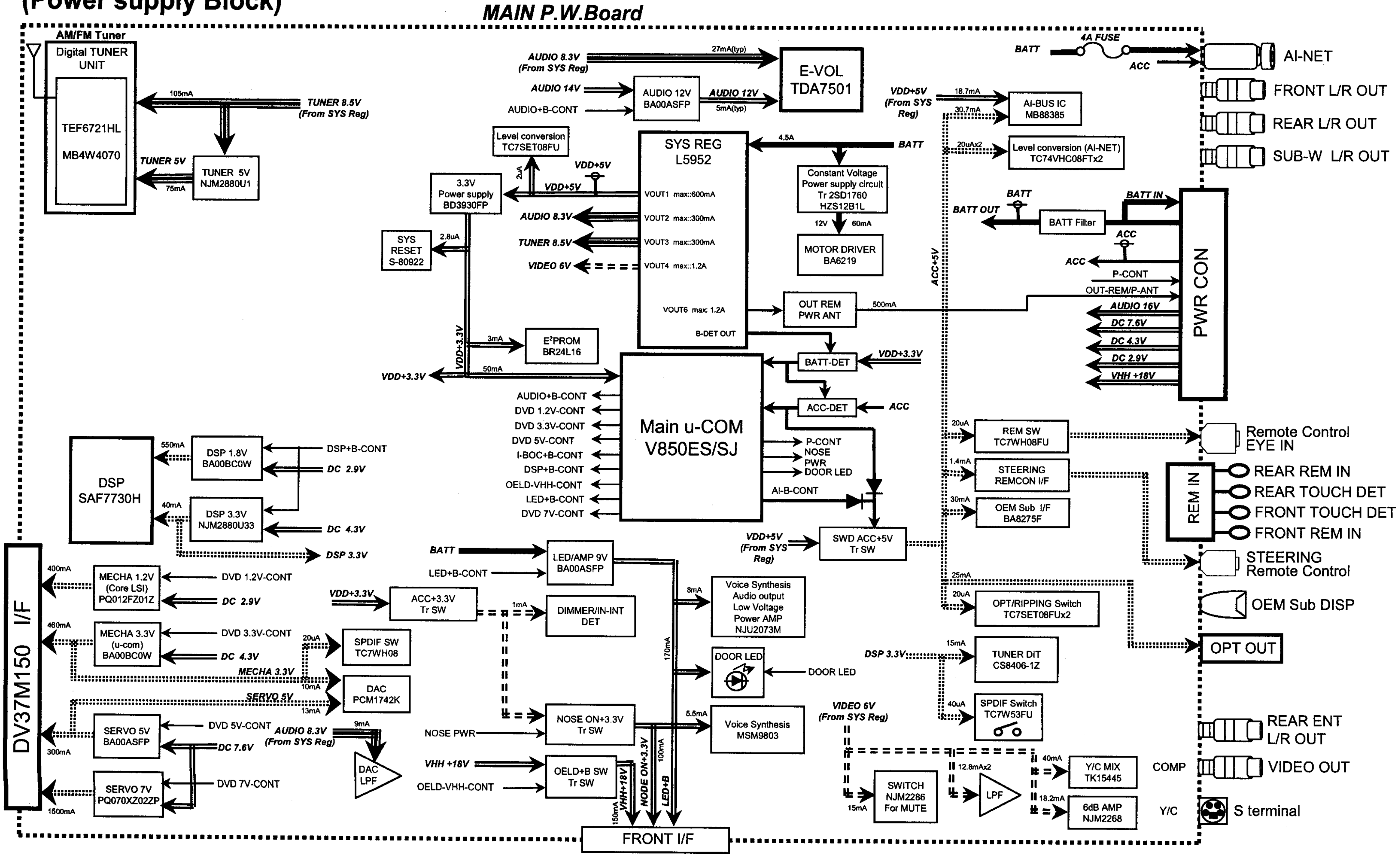

MAIN P.W.Board
AM/FM Tuner
Digital TUNER UNIT
TEF6721HL
MB4W4070
TUNER I²C-BUS
AF HOLD/IF AGC
IF OUT-P
IF OUT-N
AI AUDIO IN
AI-NET
AI-BUS IC MB88385
AI DATA IN/OUT
DSP SAF7730H
FRONT L/R OUT
REAR L/R OUT
SUB-W L/R OUT
Analog
4V OUT
E-VOL TDA7501
MUTE
I²C-BUS
FRONT L/R OUT
REAR L/R OUT
SUB-W L/R OUT
DAVN
E²PROM (BR24L16)
I²C-BUS
RESET
I²C-BUS
TUNER Serial OUT
TUNER DIT CS8406-1Z
SPDIF
SPDIF
AI serial Data
Main u-COM V850ES/SJ
A-MUTE
ACC
PWR CON
ACC-DET
ACC-DET
B-DET
L5952 SYS REG B-DET
DIMMER/IN-INT DET
OUT-REM/P-ANT
RESET
SYS RESET
RESET SW (From FRONT)
OUT REM PWR ANT
REM SW TC7WH08FU
Remote Control EYE IN
DIMMER/ IN-INT
REM IN
REAR REM IN
REAR TOUCH DET
FRONT TOUCH DET
FRONT REM IN
REAR REM
REAR TOUCH DET IN
FRONT TOUCH DET IN
FRONT REM
STEERING REMCON I/F
STEERING Remote Control
Audio OUT
SP 1W
Low Voltage Power AMP NJM2073M
Voice Synthesis MSM9803
A0,1/SW0~2
RESET
BUSY
FRONT RESET
FRONT Serial DATA
NOSE DET
I²C-BUS
OEM Sub I/F
OEM Sub DISP
DV37M150 I/F
DISC SW1/2
EPFIII DATA
V-MUTE, A-MUTE
RESET, EJECT
MUTE
DAC Serial DATA (ML,MC,MD)
REAR ENT ON
NOSE DET
NOSE PWR
OPT ON, RIPPING ON
SEL SW (T/DVD SPDIF CONT)
TUNER SPDIF OUT
OPT RIPP (DVD)
SW TC7W53FU
H : TUNER
L : DVD
SW (MUTE) TC7SET08
OPT OUT
SPDIF OUT
SW 74WH08
DSP SPDIF ON
OPT/RP-ON
Motor
MOTOR DRIVER BA6219
FF/BWD
REAR A-MUTE OUT
REAR ENT MUTE
REAR ENT L/R OUT
AUDIO Serial OUT (MCK,BCK,DATA,LRCK)
DAC PCM1742K
AUDIO OUT L/R
LPF
NJM4580V
V-MUTE OUT
RESET SW (To RESET IC)
Y/C MIX TK15445 (6dB,Sag correction)
COMP
VIDEO OUT
Y/(Comp)
C
SWITCH NJM2286 For MUTE
Y
C
LPF
6MHz-4dB
Y/C
6dB AMP NJM2268
Y/C
S terminal
FRONT I/F

(Function Block)

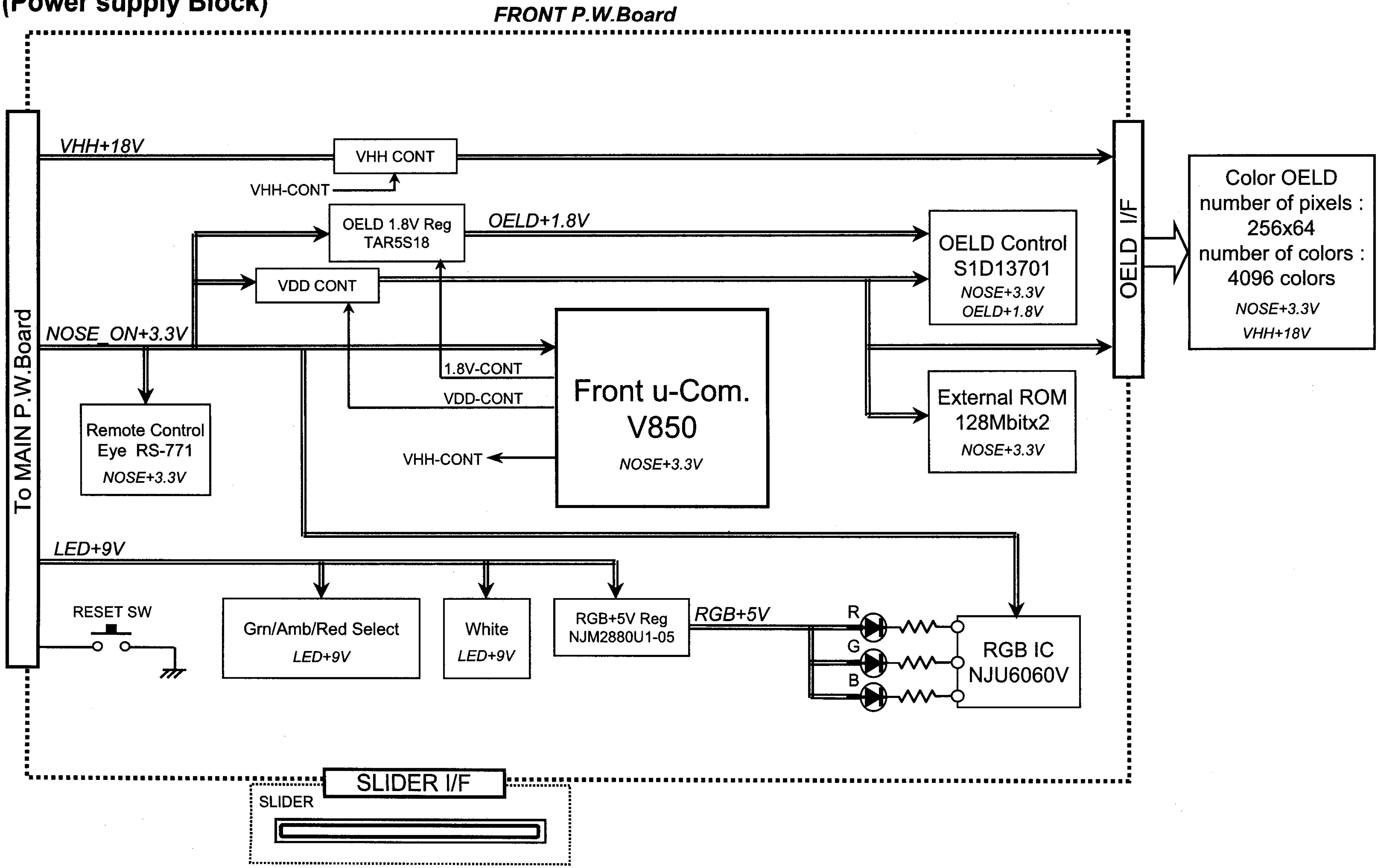

FRONT P.W.Board
To MAIN P.W.Board
Serial-BUS
Remote Control Eye RS-771
Remote Control EYE
RESET SW
Front u-Com. V850
4
(RST,CLK,ADJ,MUTE)
OELD I/F
OELD Control S1D13701
External ROM 128Mbitx2
Color OELD number of pixels : 256x64 number of colors : 4096 colors
Encoder key
3
LED Driver
LED Driver
Red(PWR-IND)
White(SLIDER)
Grn/AMB
RGB-Red
Key Matrix
Rotary Encoder
NOSE-IN/OUT
LED+B (9V)
(RSTb,CSb,CLK,DATA)
DIMMER Control 3 Step
RGB+5V
7
SLIDER decision SW
RGB IC NJU6060V
R
G
B
LED Driver
SLIDER I/F
SLIDER

TO CONTENTS

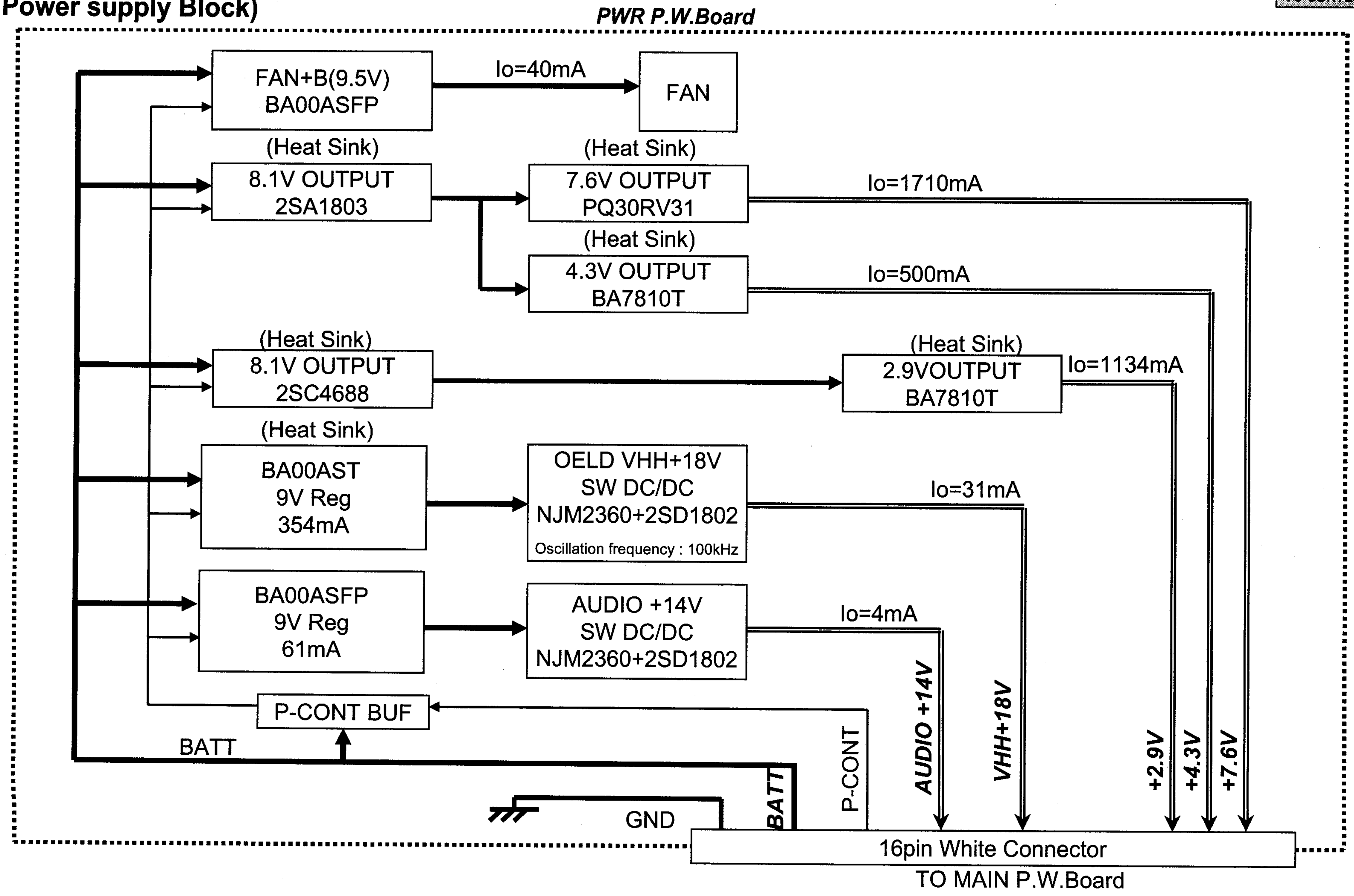
(Power supply Block)


MAIN P.W.Board
AM/FM Tuner
Digital TUNER UNIT
TEF6721HL
MB4W4070
105mA
TUNER 8.5V (From SYS Reg)
TUNER 5V
75mA
TUNER 5V NJM2880U1
AUDIO 8.3V (From SYS Reg)
27mA(typ)
E-VOL TDA7501
AUDIO 14V
AUDIO+B-CONT
AUDIO 12V BA00ASFP
AUDIO 12V
5mA(typ)
Level conversion TC7SET08FU
2uA
VDD+5V
3.3V Power supply BD3930FP
SYS REG L5952
VOUT1 max::600mA
VOUT2 max::300mA
VOUT3 max::300mA
VOUT4 max::1.2A
VOUT6 max: 1.2A
B-DET OUT
AUDIO 8.3V
TUNER 8.5V
VIDEO 6V
SYS RESET S-80922
2.8uA
4.5A
BATT
Constant Voltage Power supply circuit Tr 2SD1760 HZS12B1L
12V
60mA
MOTOR DRIVER BA6219
OUT REM PWR ANT
500mA
VDD+3.3V
3mA
E²PROM BR24L16
50mA
Main u-COM V850ES/SJ
BATT-DET
ACC-DET
ACC
AUDIO+B-CONT
DVD 1.2V-CONT
DVD 3.3V-CONT
DVD 5V-CONT
I-BOC+B-CONT
DSP+B-CONT
OELD-VHH-CONT
LED+B-CONT
DVD 7V-CONT
P-CONT
NOSE
PWR
DOOR LED
AI-B-CONT
VDD+5V (From SYS Reg)
SWD ACC+5V Tr SW
VDD+5V (From SYS Reg)
18.7mA
30.7mA
AI-BUS IC MB88385
20uAx2
Level conversion (AI-NET) TC74VHC08FTx2
ACC+5V
BATT
4A FUSE
ACC
AI-NET
FRONT L/R OUT
REAR L/R OUT
SUB-W L/R OUT
BATT
BATT OUT
BATT Filter
BATT IN
ACC
ACC
P-CONT
OUT-REM/P-ANT
AUDIO 16V
DC 7.6V
DC 4.3V
DC 2.9V
VHH +18V
PWR CON
20uA
REM SW TC7WH08FU
Remote Control EYE IN
1.4mA
STEERING REMCON I/F
30mA
OEM Sub I/F BA8275F
REM IN
REAR REM IN
REAR TOUCH DET
FRONT TOUCH DET
FRONT REM IN
STEERING Remote Control
25mA
20uA
OPT/RIPPING Switch TC7SET08FUx2
OEM Sub DISP
OPT OUT
DSP 3.3V
15mA
TUNER DIT CS8406-1Z
40uA
SPDIF Switch TC7W53FU
REAR ENT L/R OUT
VIDEO 6V (From SYS Reg)
40mA
Y/C MIX TK15445
COMP
VIDEO OUT
12.8mAx2
SWITCH NJM2286 For MUTE
15mA
LPF
18.2mA
6dB AMP NJM2268
Y/C
S terminal
DSP SAF7730H
550mA
DSP 1.8V BA00BC0W
DSP+B-CONT
DC 2.9V
40mA
DSP 3.3V NJM2880U33
DC 4.3V
DSP 3.3V
DV37M150 I/F
400mA
MECHA 1.2V (Core LSI) PQ012FZ01Z
DVD 1.2V-CONT
DC 2.9V
460mA
MECHA 3.3V (u-com) BA00BC0W
DVD 3.3V-CONT
DC 4.3V
MECHA 3.3V
20uA
SPDIF SW TC7WH08
10mA
DAC PCM1742K
SERVO 5V
13mA
300mA
SERVO 5V BA00ASFP
DVD 5V-CONT
DC 7.6V
AUDIO 8.3V (From SYS Reg)
9mA
DAC LPF
1500mA
SERVO 7V PQ070XZ02ZP
DVD 7V-CONT
VDD+3.3V
ACC+3.3V Tr SW
1mA
BATT
LED/AMP 9V BA00ASFP
LED+B-CONT
DIMMER/IN-INT DET
8mA
Voice Synthesis Audio output Low Voltage Power AMP NJU2073M
170mA
DOOR LED
DOOR LED
NOSE PWR
NOSE ON+3.3V Tr SW
5.5mA
Voice Synthesis MSM9803
VHH +18V
OELD-VHH-CONT
OELD+B SW Tr SW
150mA
VHH+18V
NODE ON+3.3V
100mA
LED+B
FRONT I/F

(Power supply Block)


FRONT P.W.Board
To MAIN P.W.Board
VHH+18V
VHH CONT
VHH-CONT
OELD 1.8V Reg
TAR5S18
OELD+1.8V
VDD CONT
NOSE_ON+3.3V
OELD Control
S1D13701
NOSE+3.3V
OELD+1.8V
OELD I/F
Color OELD
number of pixels :
256x64
number of colors :
4096 colors
NOSE+3.3V
VHH+18V
Front u-Com.
V850
NOSE+3.3V
1.8V-CONT
VDD-CONT
VHH-CONT
Remote Control
Eye RS-771
NOSE+3.3V
External ROM
128Mbitx2
NOSE+3.3V
LED+9V
RESET SW
Grn/Amb/Red Select
LED+9V
White
LED+9V
RGB+5V Reg
NJM2880U1-05
RGB+5V
R
G
B
RGB IC
NJU6060V
SLIDER I/F
SLIDER

(Power supply Block)


PWR P.W.Board
FAN+B(9.5V)
BA00ASFP
Io=40mA
FAN
(Heat Sink)
8.1V OUTPUT
2SA1803
(Heat Sink)
7.6V OUTPUT
PQ30RV31
Io=1710mA
(Heat Sink)
4.3V OUTPUT
BA7810T
Io=500mA
(Heat Sink)
8.1V OUTPUT
2SC4688
(Heat Sink)
2.9VOUTPUT
BA7810T
Io=1134mA
(Heat Sink)
BA00AST
9V Reg
354mA
OELD VHH+18V
SW DC/DC
NJM2360+2SD1802
Oscillation frequency : 100kHz
Io=31mA
BA00ASFP
9V Reg
61mA
AUDIO +14V
SW DC/DC
NJM2360+2SD1802
Io=4mA
P-CONT BUF
BATT
GND
BATT
P-CONT
AUDIO +14V
VHH+18V
+2.9V
+4.3V
+7.6V
16pin White Connector
TO MAIN P.W.Board

< DVD Unit >

Parts Layout on P.W.Boards and Wiring Diagram	22 to 26
Schematic Diagram	27 to 40
Terminal Voltage of IC/TR	41 to 55
Description of IC Terminal	56 to 67
Exploded View (Cabinet)	68 , 69
Exploded View (DVD Deck Mechanism) (DV37M150)	70

NOTE : Due to continuing product improvement, specifications and designs are subject to change without notice.

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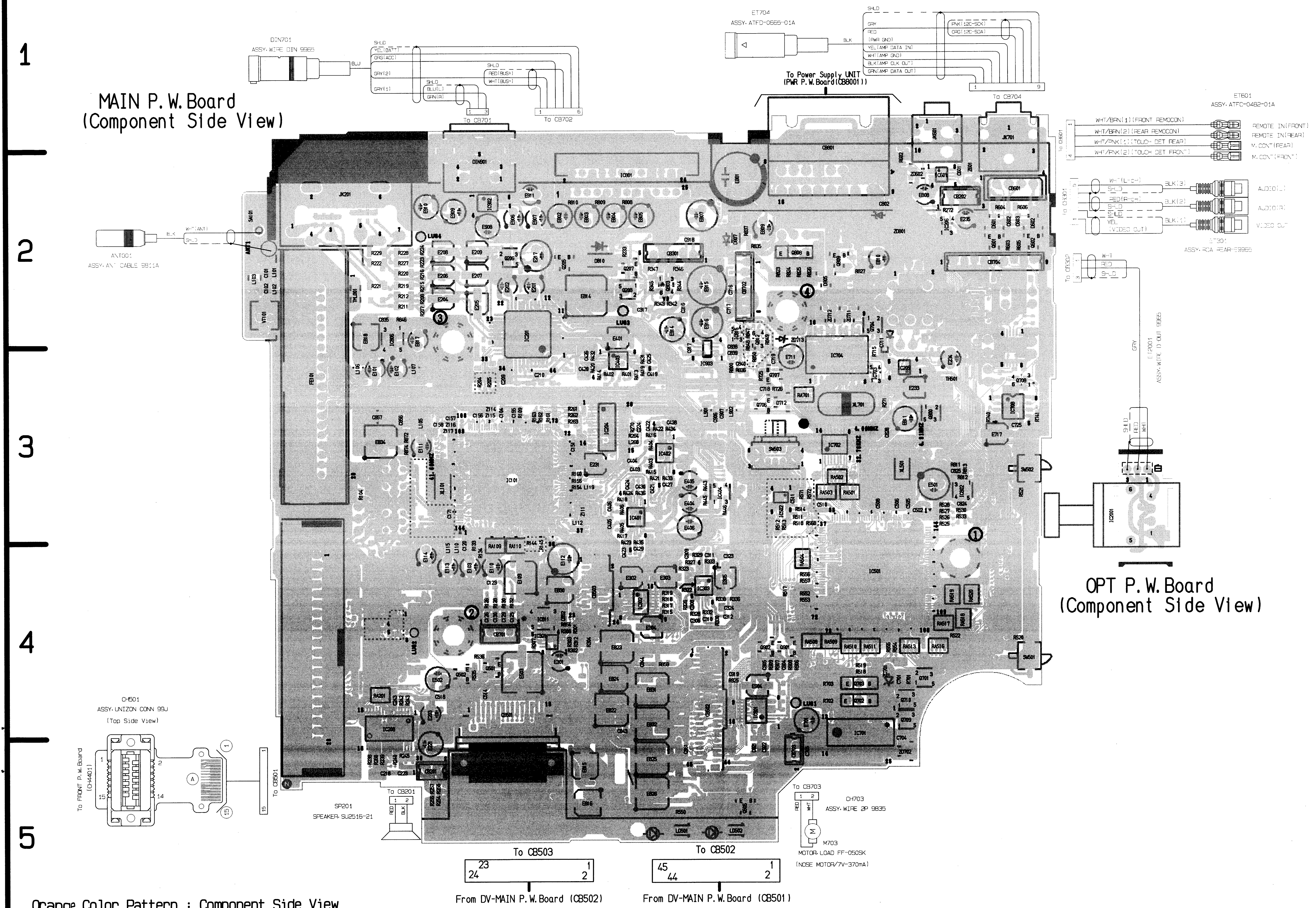
TO CONTENTS

Parts Layout on P.W.Boards and Wiring Diagram(1/5)


MAIN P.W.Board
(Component Side View)
DIN701
ASSY·WIRE DIN 9965
BLU
SHLD
YEL(BATT)
ORG(ACC)
GRY(2)
GRY(1)
SHLD
BLU(L)
GRN(R)
SHLD
RED(BUS+)
WHT(BUS-)
1 3
To CB701
1 6
To CB702
DIN901
ET704
ASSY·ATFD-0665-01A
BLK
SHLD
GRY
RED
(PWR GND)
YEL(AMP DATA IN)
WHT(AMP GND)
BLK(AMP CLK OUT)
GRN(AMP DATA OUT)
PNK(12C-SCK)
ORG(12C-SDA)
1 9
To CB704
To Power Supply UNIT
(PWR P.W.Board(CB8001))
CB801
JK601
JK701
ET601
ASSY·ATFC-0482-01A
To CB601
WHT/BRN(1)(FRONT REMOCON)
WHT/BRN(2)(REAR REMOCON)
WHT/PNK(1)(TOUCH DET REAR)
WHT/PNK(2)(TOUCH DET FRONT)
REMOTE IN(FRONT)
REMOTE IN(REAR)
M.CONT(REAR)
M.CONT(FRONT)
To CB301
WHT(L-CH)
SHLD
RED(R-CH)
SHLD
SHLD
YEL
(VIDEO OUT)
BLK(3)
BLK(2)
BLK(1)
AUDIO(L)
AUDIO(R)
VIDEO OUT
ET301
ASSY·RCA REAR-E9965
To CB302
WHT
RED
SHLD
GRY
ET2001
ASSY·WIRE D-OUT 9965
SHLD
RED
WHT
OPT P.W.Board
(Component Side View)
IC2001
ANT001
ASSY·ANT CABLE 9811A
BLK
WHT(ANT)
SHLD
ANT1
SA101
JK201
IC101
IC501
IC701
IC704
CH501
ASSY·UNIZON CONN 99J
(Top Side View)
To FRONT P.W.Board
(CH4401)
1
2
15
14
A
①
⑮
To CB501
SP201
SPEAKER·SU2516-21
To CB201
1 2
RED
BLK
To CB703
1 2
RED
WHT
CH703
ASSY·WIRE 2P 9835
M703
MOTOR·LOAD FF-050SK
(NOSE MOTOR/7V-370mA)
To CB503
23 1
24 2
From DV-MAIN P.W.Board (CB502)
To CB502
45 1
44 2
From DV-MAIN P.W.Board (CB501)
1
2
3
4
5
A
B
C
D
E
F
G

Orange Color Pattern : Component Side View
Blue Color Pattern : Foil Side View

Parts Layout on P.W.Boards and Wiring Diagram(2/5)

1

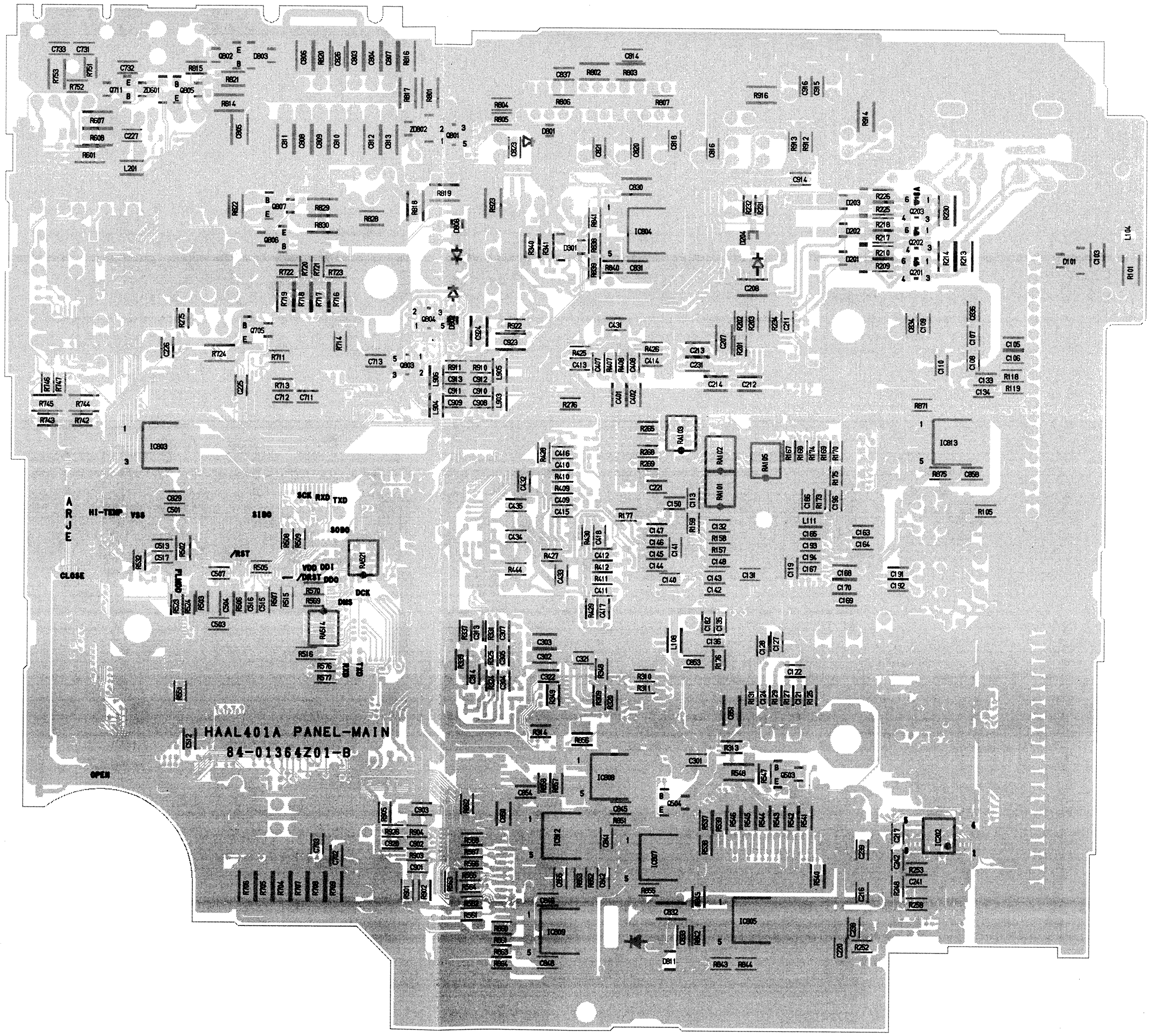
2

3

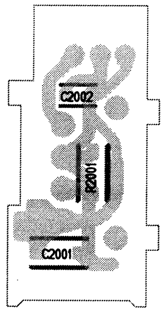
4

5

MAIN P.W.Board(Foil Side View)


HAAL401A PANEL-MAIN
84-01364Z01-B
IC803
IC804
IC813
IC809
IC812
IC807
IC805
IC808
IC802
HI-TEMP
CLOSE
OPEN
SCK
RXD
TXD
SIDO
SODO
/RST
/DRST
DCK
DMS
ARJE

OPT P.W.Board
(Foil Side View)


C2002
R2001
C2001

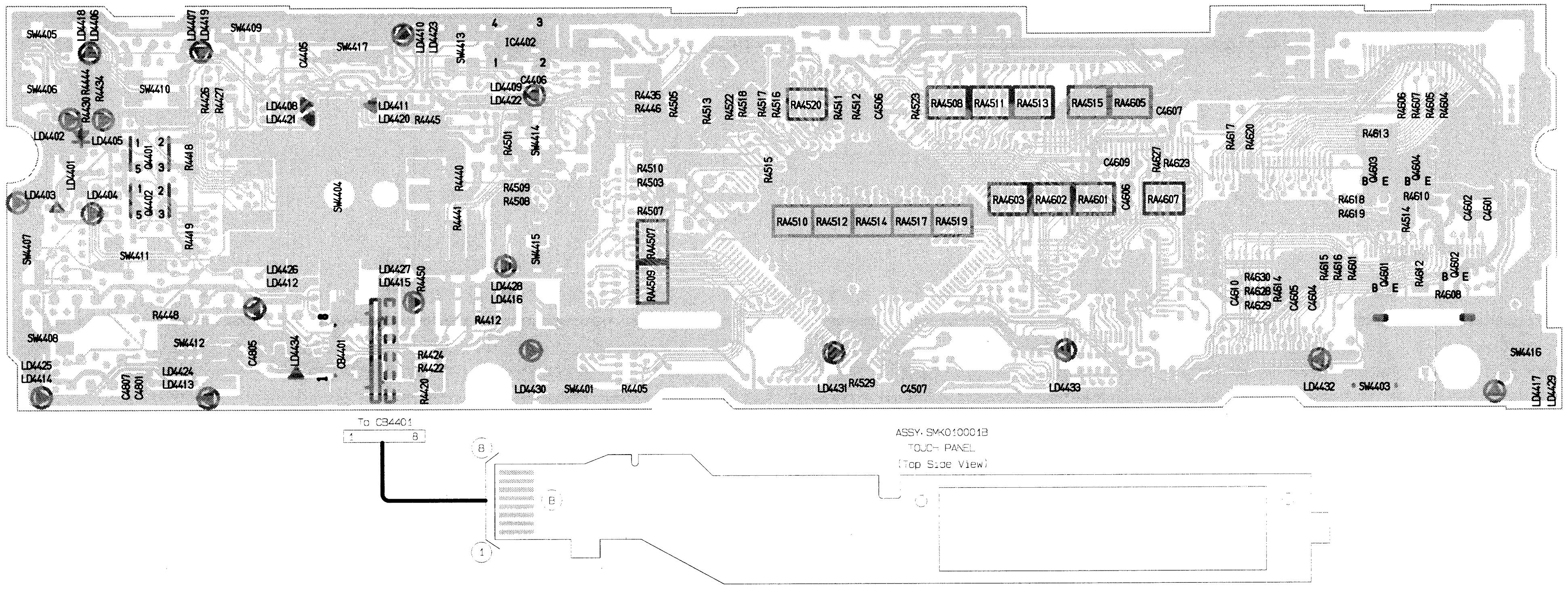
Orange Color Pattern : Component Side View

Blue Color Pattern : Foil Side View

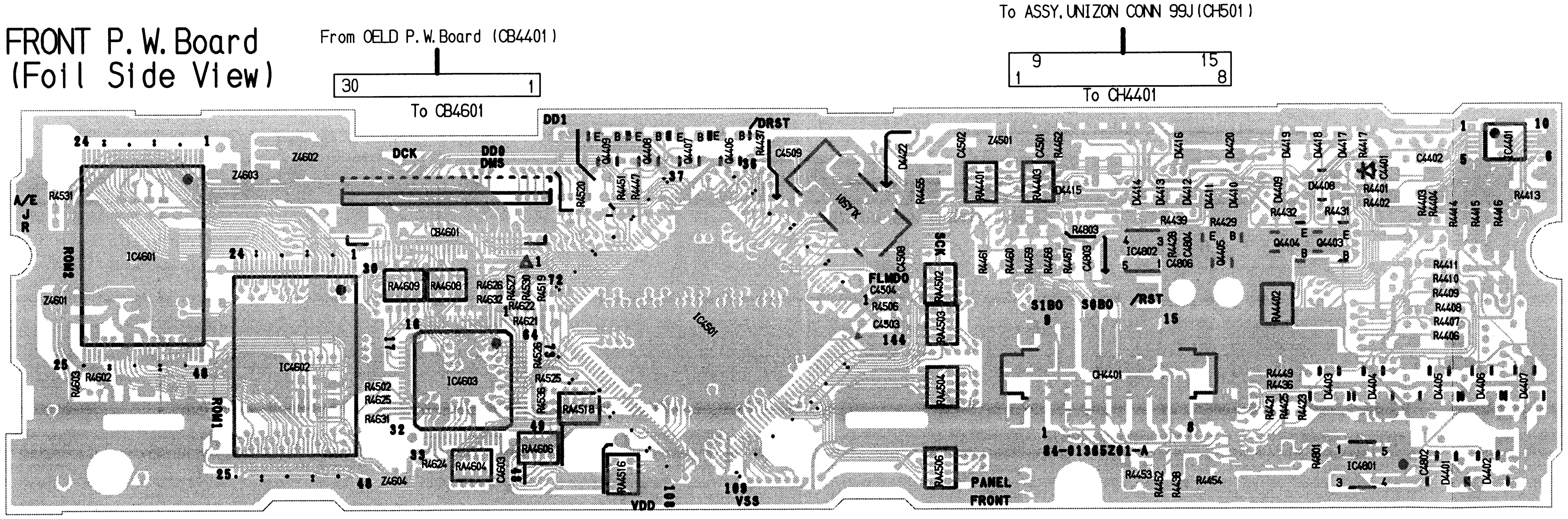
A B C D E F G

Parts Layout on P.W.Boards and Wiring Diagram(3/5)

FRONT P.W.Board (Component Side View)


To CB4401
1
8
B
ASSY: SMK0100018
TOUCH PANEL
(Top Side View)
IC4402
SW4405
SW4406
SW4409
SW4410
SW4411
SW4412
SW4413
SW4414
SW4415
SW4416
SW4417
SW4401
SW4403
SW4404
SW4407
SW4408
CB4401

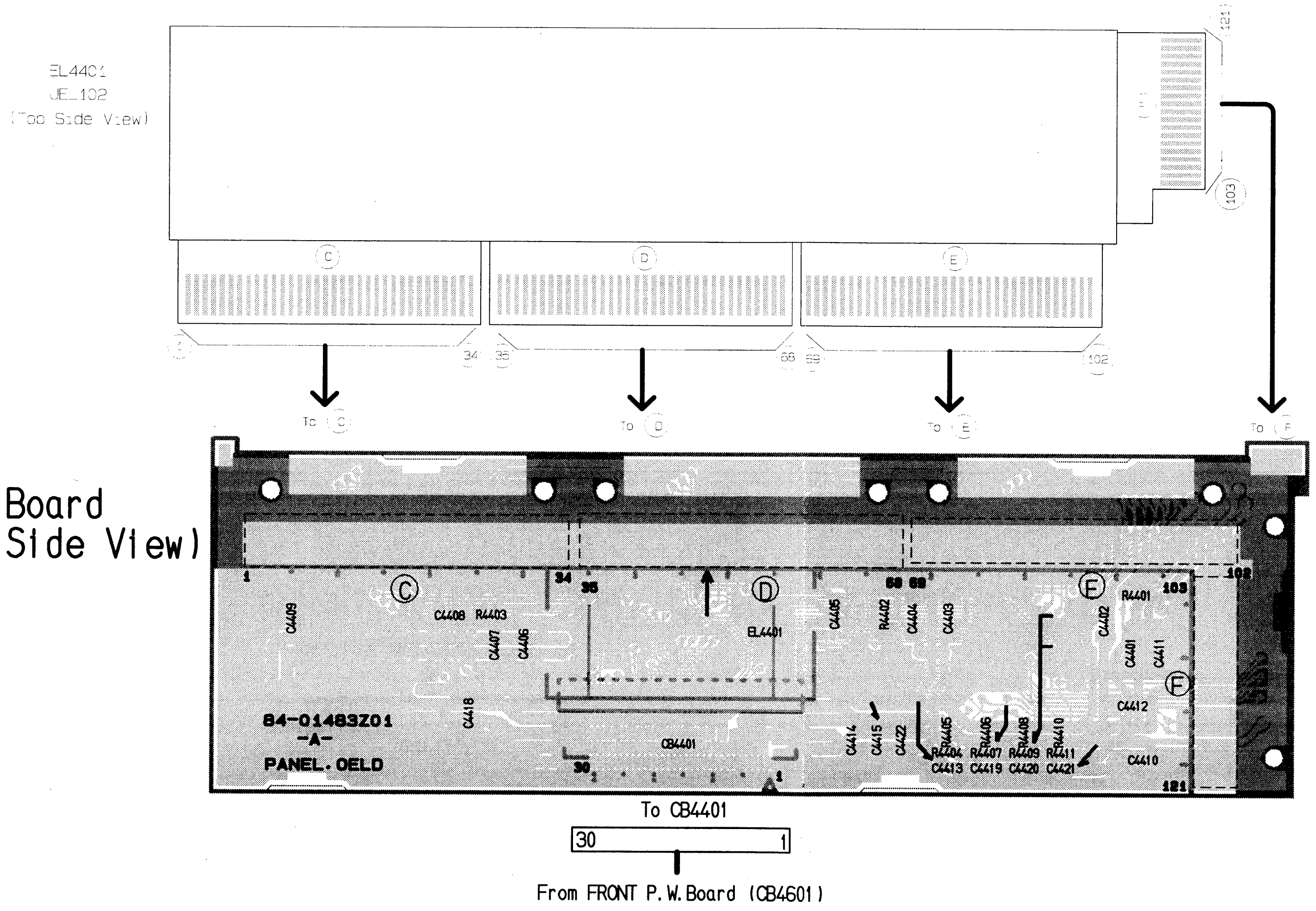
FRONT P.W.Board (Foil Side View)


From OELD P.W.Board (CB4401)
30
1
To CB4601
To ASSY.UNIZON CONN 99J(CH501)
9
15
1
8
To CH4401
IC4601
IC4602
IC4603
IC4501
IC4401
IC4801
IC4802
CB4601
CH4401
DCK
DD0
DMS
DD1
/DRST
FLMDO
SIBO
SOBO
/RST
VDD
VSS
PANEL
FRONT
84-81365Z01-A
ROM1
ROM2

Orange Color Pattern : Component Side View

Blue Color Pattern : Foil Side View

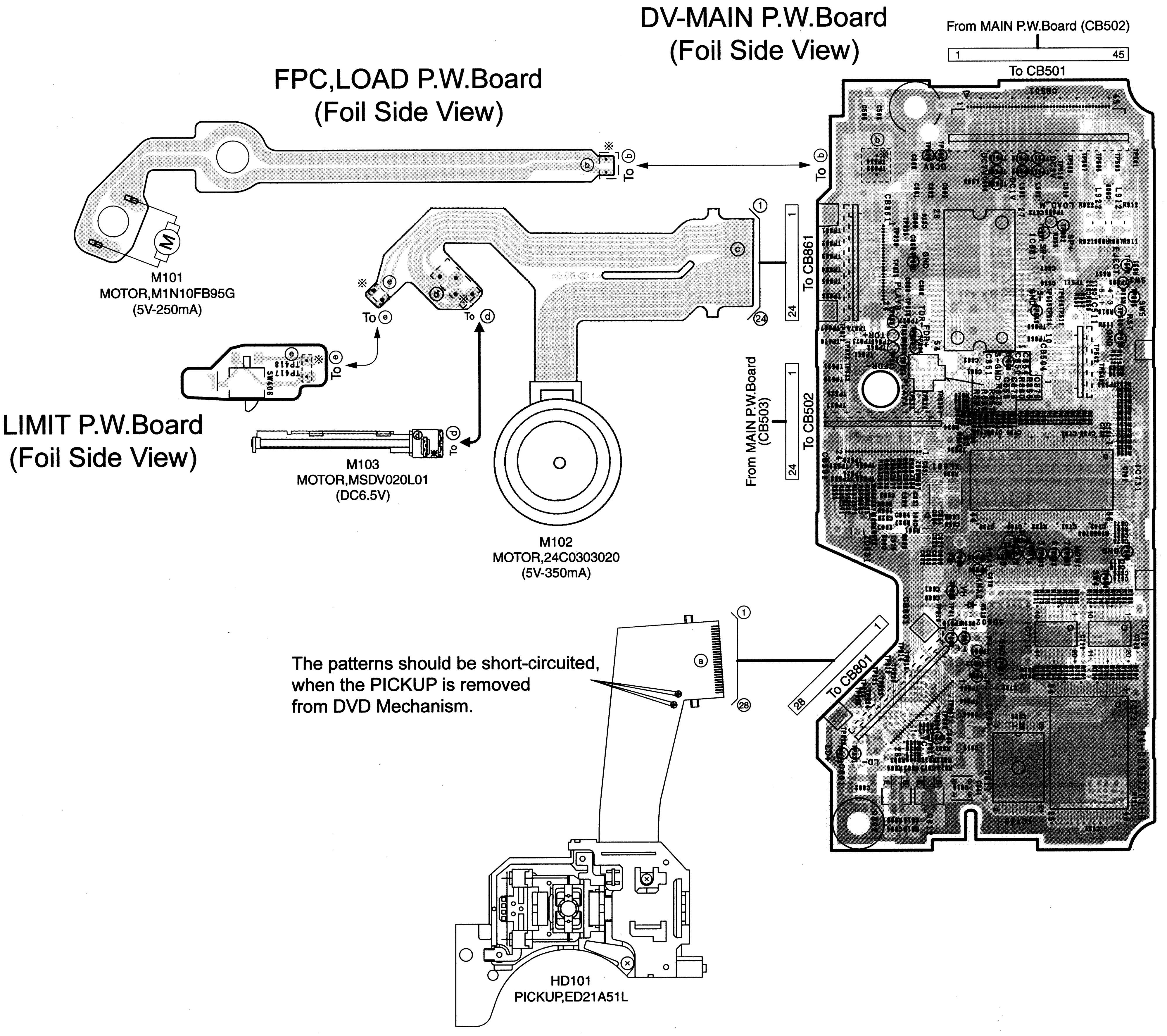
Parts Layout on P.W.Boards and Wiring Diagram(4/5)


EL4401
JE_102
(Top Side View)
C
D
E
F
1
34
35
68
69
102
103
121
To C
To D
To E
To F
1
34
35
68 69
102
103
121
C
D
E
F
C4409
C4408 R4403
C4407
C4406
C4418
EL4401
C4405
R4402
C4404
C4403
C4402
R4401
C4401
C4411
C4412
CB4401
C4414
C4415
C4422
R4405
R4406
R4408
R4410
R4404 R4407 R4409 R4411
C4413 C4419 C4420 C4421
C4410
84-01483Z01
-A-
PANEL.OELD
30
1
To CB4401
30
1
From FRONT P.W.Board (CB4601)

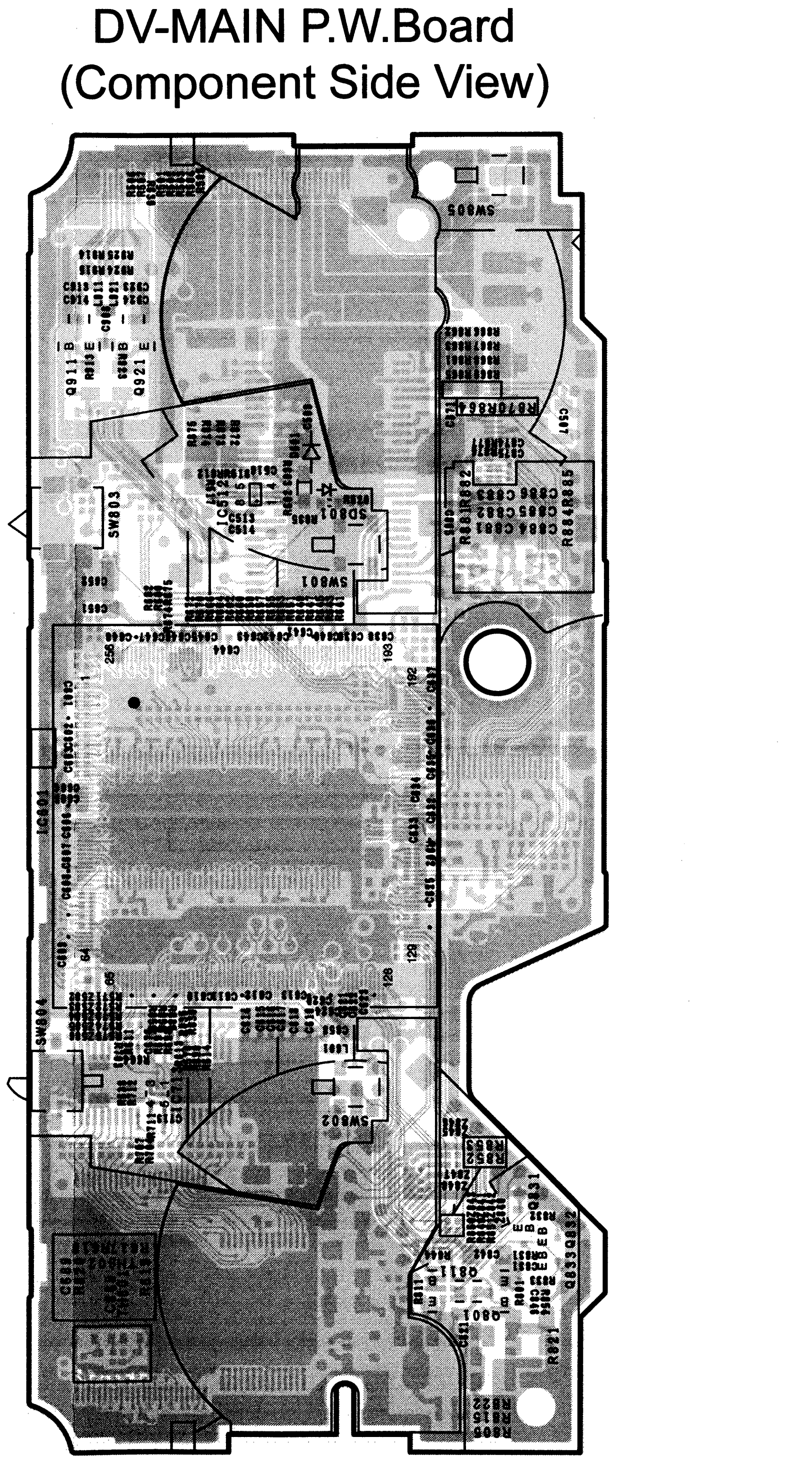
OELD P.W.Board
(Component Side View)

Orange Color Pattern : Component Side View
Blue Color Pattern : Foil Side View

Parts Layout on P.W.Boards and Wiring Diagram(5/5)


1
2
3
4
5
FPC,LOAD P.W.Board
(Foil Side View)
M101
MOTOR,M1N10FB95G
(5V-250mA)
To ⓑ
To ⓔ
To ⓓ
LIMIT P.W.Board
(Foil Side View)
M103
MOTOR,MSDV020L01
(DC6.5V)
M102
MOTOR,24C0303020
(5V-350mA)
ⓐ
①
㉘
㉔
HD101
PICKUP,ED21A51L
DV-MAIN P.W.Board
(Foil Side View)
From MAIN P.W.Board (CB502)
1
45
To CB501
To CB861
1
24
From MAIN P.W.Board
(CB503)
To CB502
1
24
To CB801
1
28

The patterns should be short-circuited, when the PICKUP is removed from DVD Mechanism.

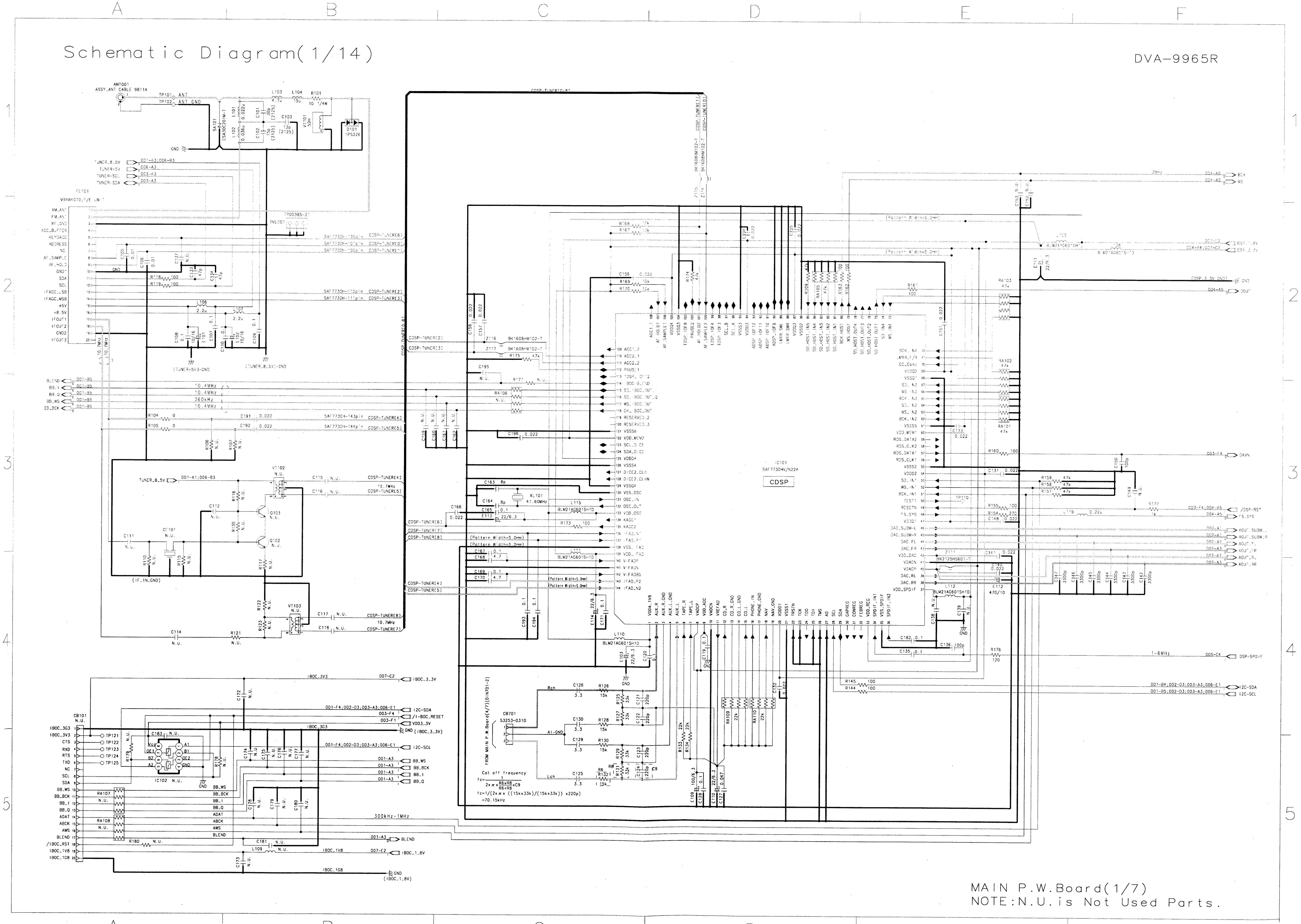

DV-MAIN P.W.Board
(Component Side View)

Orange Color Pattern:Component Side Pattern
Blue Color Pattern:Foil Side Pattern

A
B
C
D
E
F
G

Schematic Diagram(1/14)

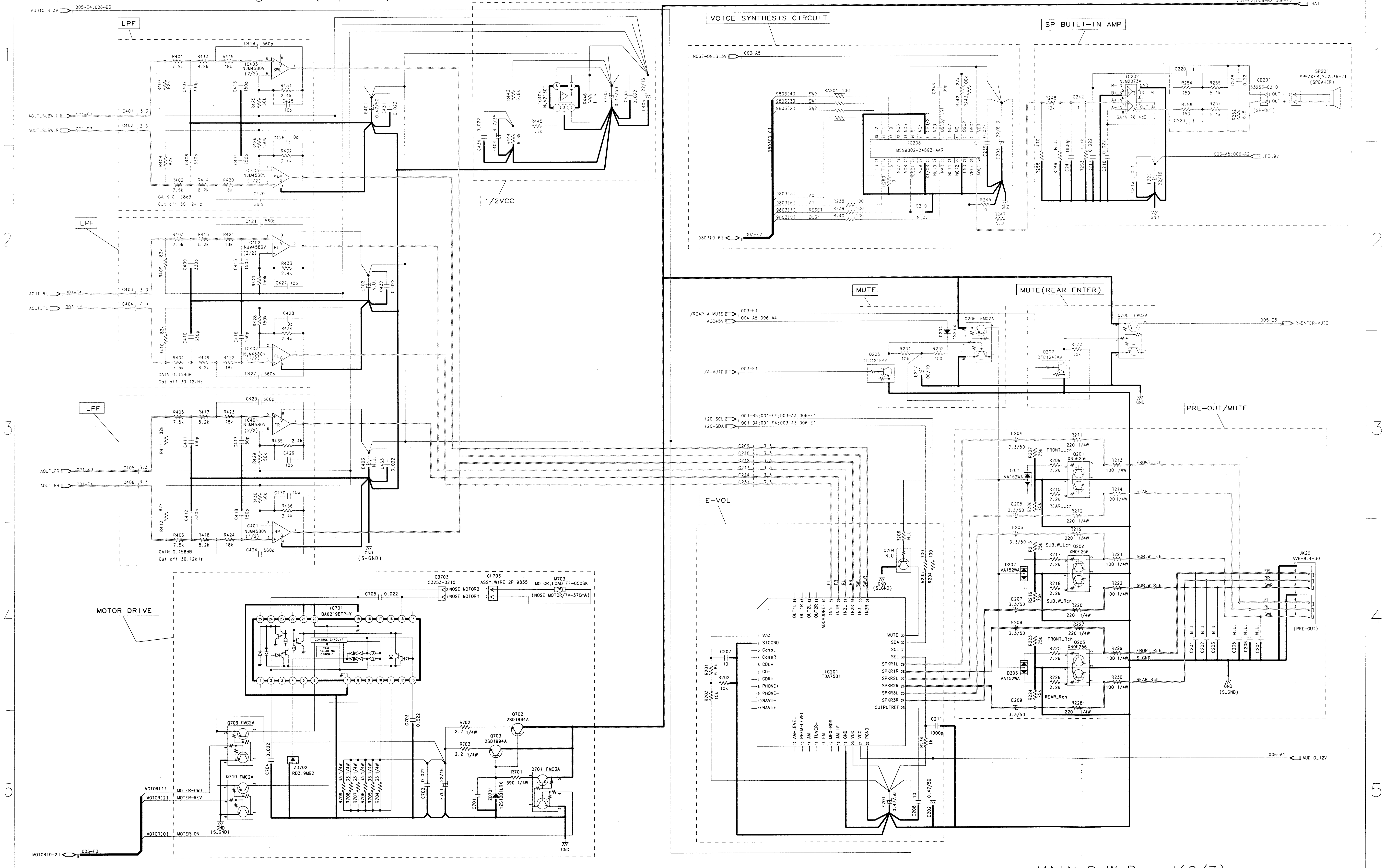
DVA-9965R



A
B
C
D
E
F
1
2
3
4
5
ANT001
ASSY,ANT CABLE 9811A
FE101
IC101
SAF7730HV/N224
CDSP
XL101
41.60MHz
CB701
53253-0310
FROM MAIN P.W.Board(4/7)(DIN701-2)
Cut off frequency
fc=1/(2×π×((15k×33k)/(15k+33k))×220p)
≈70.15kHz
CB101
N.U.
IC102 N.U.
VT102
VT103
Q102
Q103
CF101
(IF_IN_GND)
TUNER_8.5V
TUNER-5V
TUNER-SCL
TUNER-SDA
I2C-SDA
I2C-SCL
IBOC_3.3V
IBOC_1.8V
BLEND
BB_WS
BB_BCK
BB_I
BB_Q
DSP-SPDIF
DAVN
/DSP-RST
FS.SYS
AOUT_SUBW_L
AOUT_SUBW_R
AOUT_FL
AOUT_FR
AOUT_RL
AOUT_RR
BCK
WS
DOUT
300kHz-1MHz
10.7MHz
1-6MHz

MAIN P.W.Board(1/7)
NOTE:N.U.is Not Used Parts.

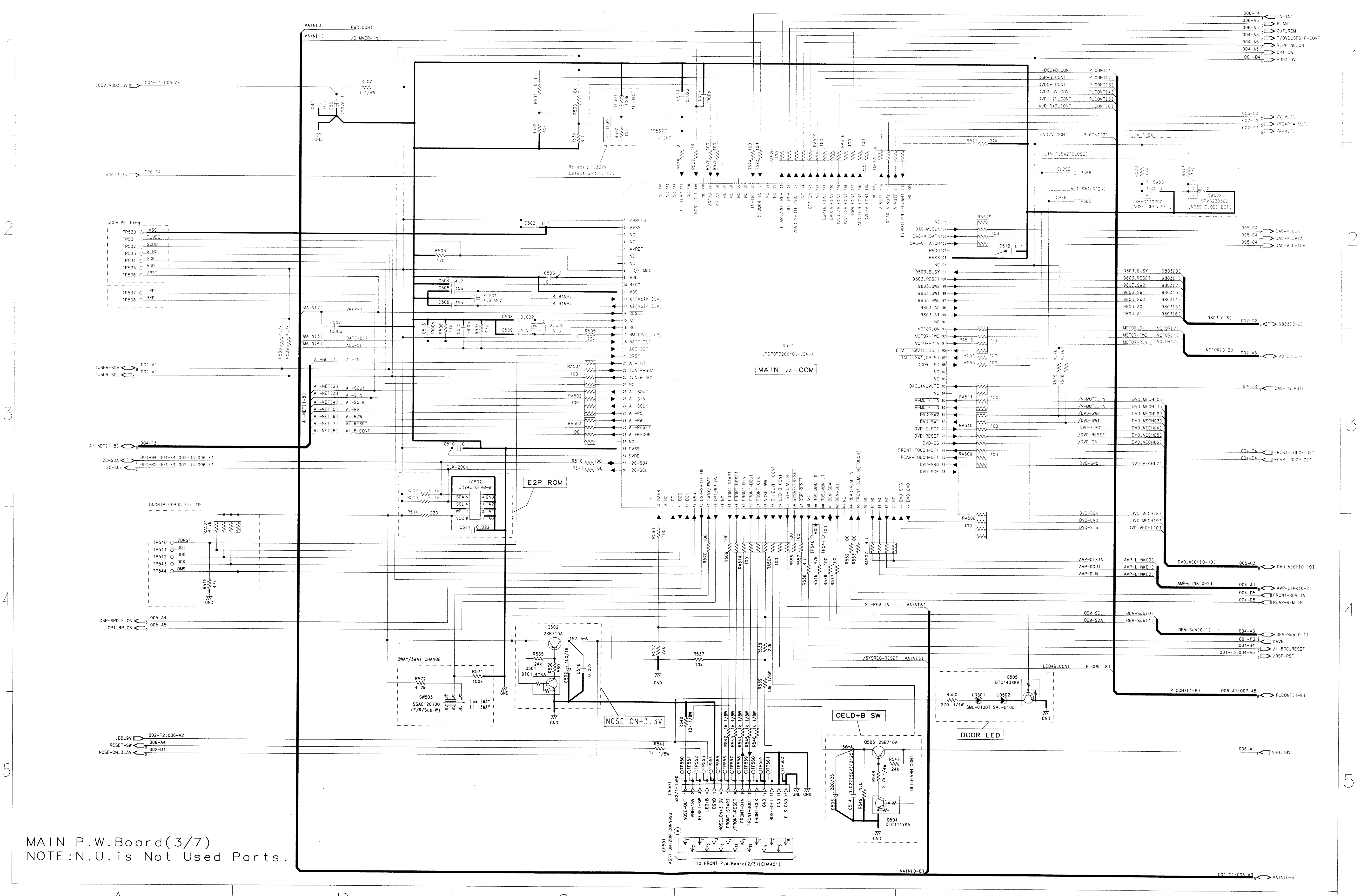
Schematic Diagram(2/14)


A
B
C
D
E
F
1
2
3
4
5
LPF
1/2VCC
VOICE SYNTHESIS CIRCUIT
SP BUILT-IN AMP
MUTE
MUTE(REAR ENTER)
PRE-OUT/MUTE
E-VOL
MOTOR DRIVE
AUDIO_8.3V
BATT
AOUT_SUBW_L
AOUT_SUBW_R
AOUT_RL
AOUT_FL
AOUT_FR
AOUT_RR
IC403 NJM4580V
IC402 NJM4580V
IC401 NJM4580V
IC404 NJM2150F
GAIN 0.158dB
Cut off 30.12kHz
IC208 MSM9802-248G3-AKR
IC202 NJM2073M
GAIN 26.4dB
SP201 SPEAKER,SU2516-21 (SPEAKER)
CB201 53253-0210
NOSE-ON_3.3V
/REAR-A-MUTE
ACC+5V
/A-MUTE
R-ENTER-MUTE
Q206 FMC2A
Q208 FMC2A
Q205 DTC124EKA
Q207 DTC124EKA
I2C-SCL
I2C-SDA
IC201 TDA7501
Q201 XNDF256
Q202 XNDF256
Q203 XNDF256
D201 MA152WA
D202 MA152WA
D203 MA152WA
JK201 AV6-8.4-30
(PRE-OUT)
FRONT_Lch
REAR_Lch
SUB.W_Lch
SUB.W_Rch
FRONT_Rch
REAR_Rch
AUDIO_12V
IC701 BA6219BFP-Y
CB703 53253-0210
CN703 ASSY,WIRE 2P 9835
M703 MOTOR,LOAD FF-0505SK
(NOSE MOTOR/7V-370mA)
Q709 FMC2A
Q710 FMC2A
Q701 FMC3A
Q702 2SD1994A
Q703 2SD1994A
ZD701 HZS7B1LRX
ZD702 RD3.9MB2
MOTOR(0-2)
MOTER-FWD
MOTER-REV
MOTER-ON
GND
(S_GND)

MAIN P.W.Board(2/7)
NOTE:N.U.is Not Used Parts.

Schematic Diagram(3/14)

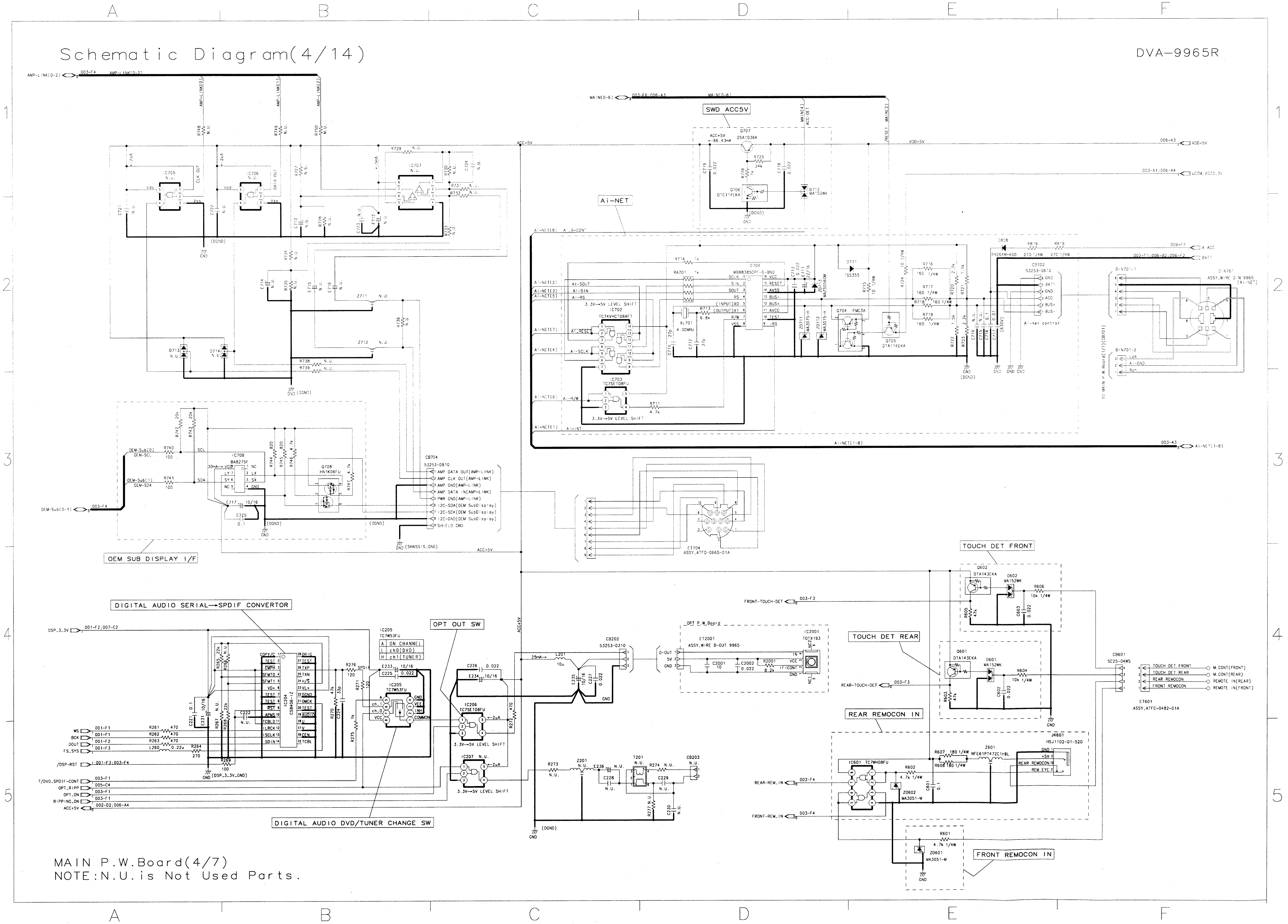
DVA-9965R


MAIN μ-COM
E2P ROM
NOSE ON+3.3V
OELD+B SW
DOOR LED
2WAY/3WAY CHANGE
ONCHIP DEBUG For TP
μCOM Writing
TO FRONT P.W.Board(2/3)(CH4401)
IC502 BR24L16FVM-W
Q502 2SB710A
Q501 DTC114YKA
Q503 2SB710A
Q504 DTC114YKA
Q505 DTC143XKA
SW503 SSAC120100 (F/R/Sub-W)
Low:2WAY Hi :3WAY
A B C D E F
1 2 3 4 5

MAIN P.W.Board(3/7)
NOTE:N.U.is Not Used Parts.

Schematic Diagram(4/14)

DVA-9965R

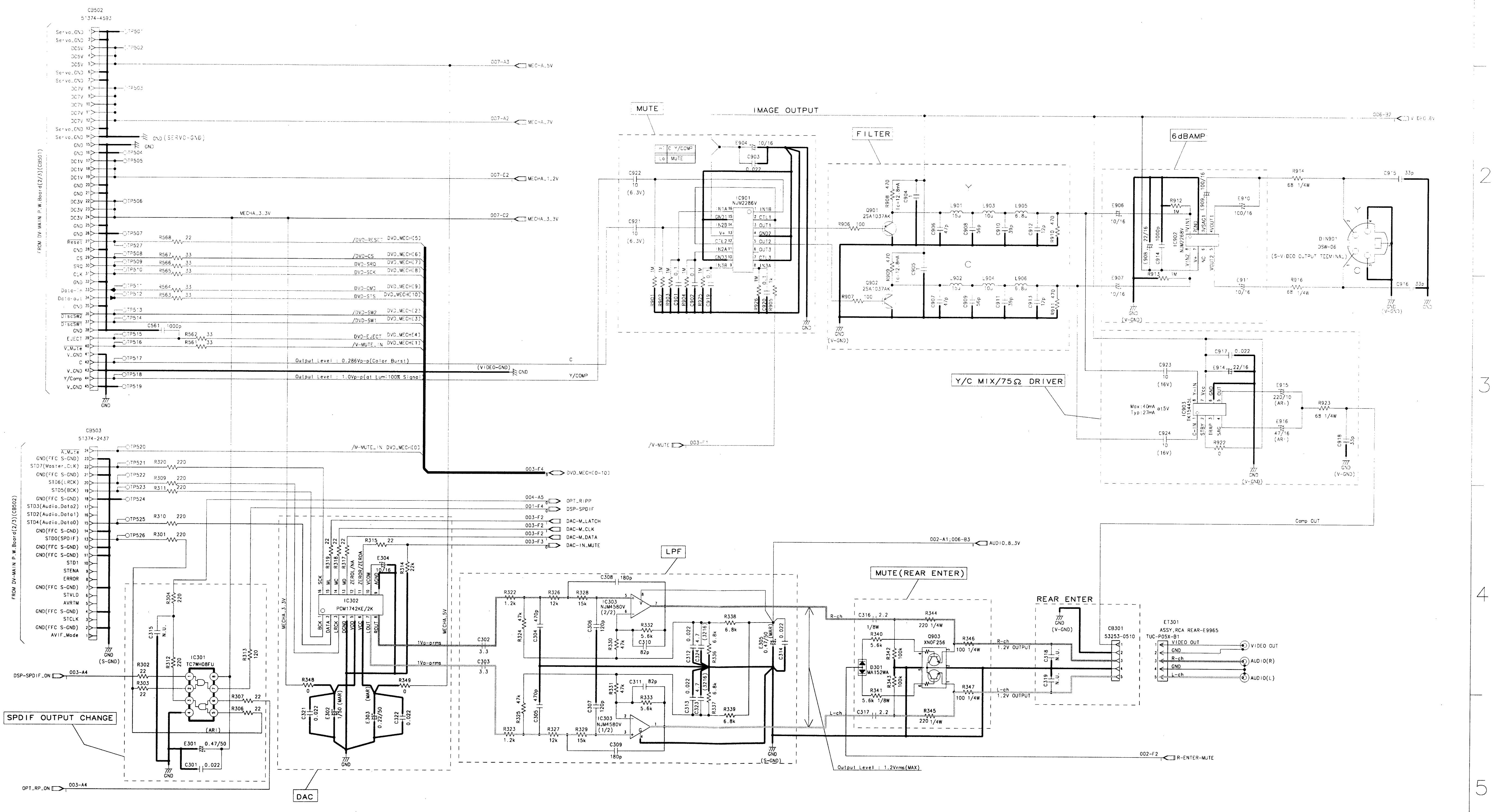


A
B
C
D
E
F
1
2
3
4
5
AMP-LINK[0-2]
MAIN[0-6]
SWD ACC5V
Q707 2SA1036K
D706 DTC114EKA
D712 MA152WK
VDD+5V
ACC+5V
Ai-NET
IC705 N.U.
IC706 N.U.
IC707 N.U.
IC702 TC74VHCT08AFT
3.3V→5V LEVEL SHIFT
IC703 TC7SET08FU
IC704 MB88385CPF-G-BND
XL701 4.00MHz
Q704 FMC3A
Q705 DTA114EKA
CB702 53253-0610
Ai-net control
DIN701-1 ASSY,WIRE DIN 9965 (Ai-NET)
DIN701-2
TO MAIN P.W.Board(1/7)(CB701)
Ai-NET[1-8]
IC708 BA8275F
Q708 HN1K06FU
CB704 53253-0910
AMP DATA OUT(AMP-LINK)
AMP CLK OUT(AMP-LINK)
AMP GND(AMP-LINK)
AMP DATA IN(AMP-LINK)
PWR GND(AMP-LINK)
I2C-SDA(OEM SubDisplay)
I2C-SCK(OEM SubDisplay)
I2C-GND(OEM SubDisplay)
SHIELD GND
ET704 ASSY,ATFD-0665-01A
OEM SUB DISPLAY I/F
OEM-Sub[0-1]
DIGITAL AUDIO SERIAL→SPDIF CONVERTOR
IC204 CS8406-IZ
IC205 TC7W53FU
A ON CHANNEL
L ch0(DVD)
H ch1(TUNER)
OPT OUT SW
IC206 TC7SET08FU
IC207 N.U.
3.3V→5V LEVEL SHIFT
CB202 53253-0310
OPT P.W.Board
ET2001 ASSY,WIRE D-OUT 9965
IC2001 TOTX193
T201 N.U.
CB203 N.U.
DIGITAL AUDIO DVD/TUNER CHANGE SW
DSP_3.3V
WS
BCK
DOUT
FS_SYS
/DSP-RST
T/DVD_SPDIF-CONT
OPT_RIPP
OPT_ON
RIPPING_ON
ACC+5V
TOUCH DET FRONT
Q602 DTA143EKA
D602 MA152WK
FRONT-TOUCH-DET
TOUCH DET REAR
Q601 DTA143EKA
D601 MA152WK
REAR-TOUCH-DET
CB601 SC25-04WS
TOUCH DET FRONT
TOUCH DET REAR
REAR REMOCON
FRONT REMOCON
M.CONT(FRONT)
M.CONT(REAR)
REMOTE IN(REAR)
REMOTE IN(FRONT)
ET601 ASSY,ATFC-0482-01A
REAR REMOCON IN
IC601 TC7WH08FU
Z0602 MA3051-M
JK601 HSJ1102-01-520
REAR-REM_IN
FRONT-REM_IN
FRONT REMOCON IN
Z0601 MA3051-M

MAIN P.W.Board(4/7)
NOTE:N.U.is Not Used Parts.

Schematic Diagram(5/14)

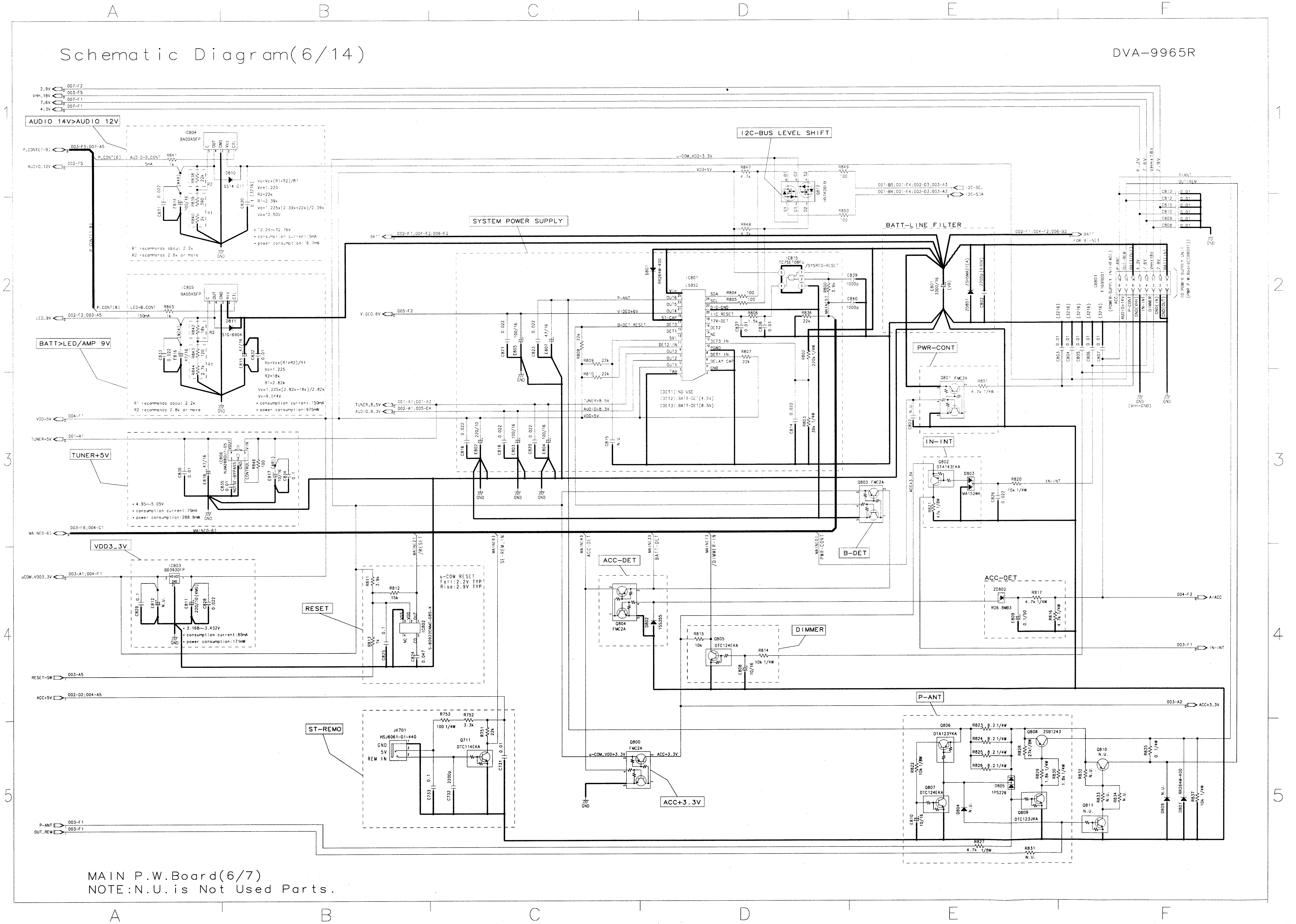
DVA-9965R


CB502
51374-4593
FROM DV-MAIN P.W.Board(2/3)(CB501)
CB503
51374-2437
FROM DV-MAIN P.W.Board(2/3)(CB502)
MUTE
IMAGE OUTPUT
IC901
NJM2286V
FILTER
Q901
2SA1037AK
Q902
2SA1037AK
6dBAMP
IC902
NJM2286V
DIN901
DSW-06
(S-VIDEO OUTPUT TERMINAL)
Y/C MIX/75Ω DRIVER
IC903
Output Level : 0.286Vp-p(Color Burst)
Output Level : 1.0Vp-p(at Lum:100% Signal)
LPF
IC302
PCM1742KE/2K
IC303
NJM4580V
IC301
TC7WH08FU
MUTE(REAR ENTER)
Q903
XN0F256
D301
MA152WA
REAR ENTER
CB301
53253-0510
ET301
ASSY,RCA REAR-E9965
TUC-P05X-B1
VIDEO OUT
AUDIO(R)
AUDIO(L)
1.2V OUTPUT
Output Level : 1.2Vrms(MAX)
SPDIF OUTPUT CHANGE
DAC
DSP-SPDIF_ON
OPT_RP_ON
R-ENTER-MUTE
DVD_MECH[0-10]
OPT_RIPP
DSP-SPDIF
DAC-M_LATCH
DAC-M_CLK
DAC-M_DATA
DAC-IN_MUTE
AUDIO_8.3V
MECHA_5V
MECHA_7V
MECHA_1.2V
MECHA_3.3V
Comp OUT

MAIN P.W.Board(5/7)
NOTE:N.U.is Not Used Parts.

Schematic Diagram(6/14)

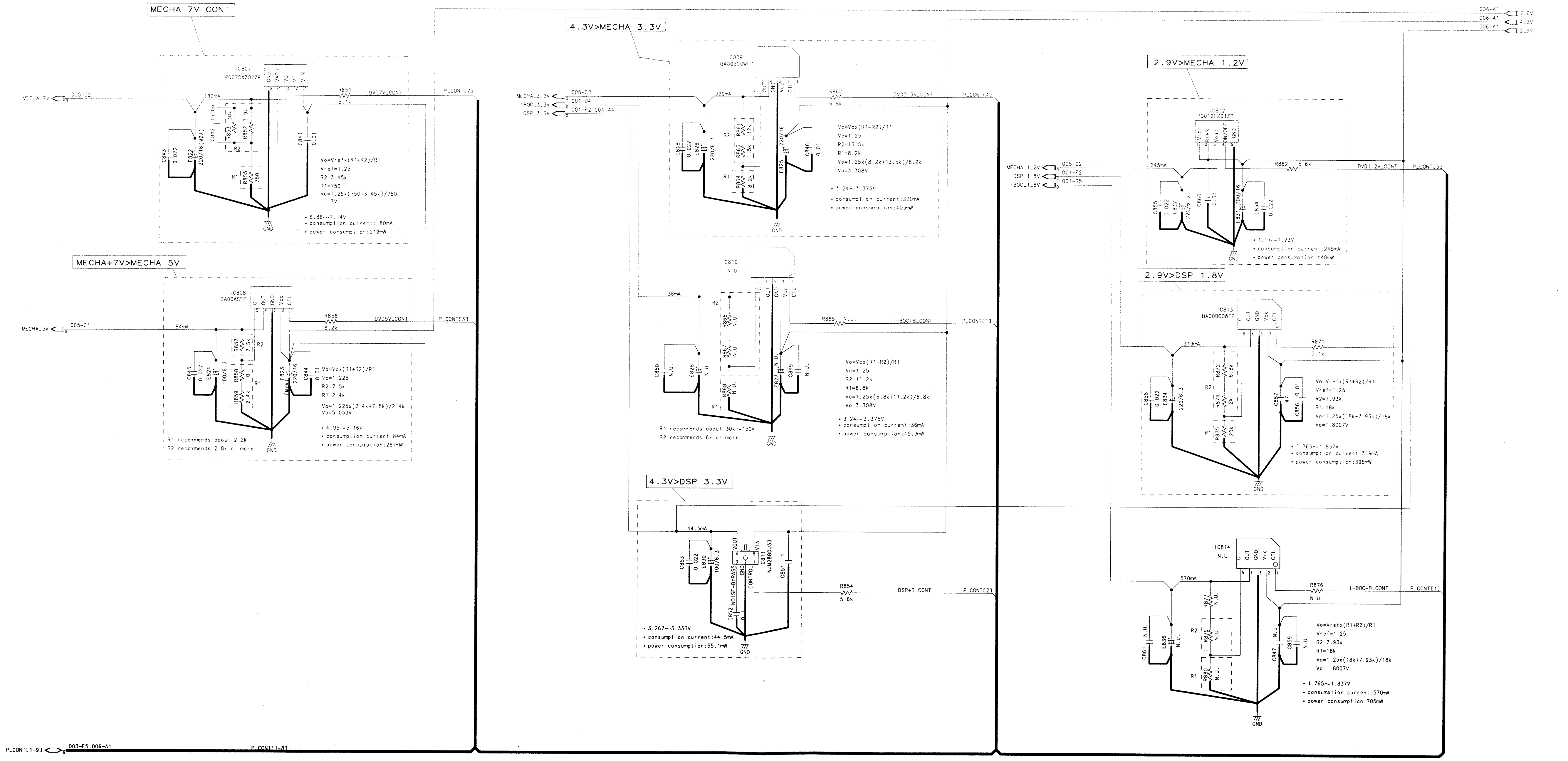
DVA-9965R


A
B
C
D
E
F
1
2
3
4
5
AUDIO 14V>AUDIO 12V
IC804
BA00ASFP
D810
Vo=Vcx(R1+R2)/R1
Vc=1.225
R2=22k
R1=2.39k
Vo=1.225x(2.39k+22k)/2.39k
Vo=12.50V
R1 recommends about 2.2k
R2 recommends 2.8k or more
I2C-BUS LEVEL SHIFT
Q812
SYSTEM POWER SUPPLY
BATT-LINE FILTER
IC815
TC7SET08FU
/SYSREG-RESET
IC801
LS952
IC805
BA00ASFP
D811
S1G-6904
BATT>LED/AMP 9V
Vo=Vcx(R1+R2)/R1
Vc=1.225
R2=18k
R1=2.82k
Vo=1.225x(2.82k+18k)/2.82k
Vo=9.044V
R1 recommends about 2.2k
R2 recommends 2.8k or more
PWR-CONT
Q801 FMC2A
IN-INT
Q802
DTA143EKA
D803
MA152WK
Q803 FMC2A
B-DET
TUNER+5V
IC806
NJM2880U1-05
• 4.95~5.05V
• consumption current:75mA
• power consumption:288.8mW
VDD3_3V
IC803
BD3930FP
• 3.168~3.432V
• consumption current:85mA
• power consumption:171mW
RESET
IC802
S-80927CNMC-G8S-X
u-COM RESET
Fall:2.2V TYP
Rise:2.9V TYP
ACC-DET
Q804
FMC2A
D802
1SS355
DIMMER
Q805
DTC124EKA
ACC-DET
ZD802
RD6.8MB3
ST-REMO
JK701
HSJ6061-01-440
Q711
DTC114EKA
Q800
FMC2A
ACC+3.3V
P-ANT
Q806
DTA123YKA
Q808 2SB1243
Q807
DTC124EKA
D805
1PS226
Q809
DTC123JKA
Q810
N.U.
Q811
N.U.
CN801
TO POWER SUPPLY UNIT
(PWR P.W.Board(CN8001))
2.9V
VHH_18V
7.6V
4.3V
P_CONT1-9
AUDIO_12V
LED_9V
VDD+5V
TUNER+5V
MAIN(0-6)
uCOM_VDD3_3V
RESET-SW
ACC+5V
P-ANT
OUT_REM
BATT
VIDEO_6V
TUNER_8.5V
AUDIO_8.3V
I2C-SCL
I2C-SDA
ACC
IN-INT
ACC+3.3V
GND

MAIN P.W.Board(6/7)
NOTE:N.U. is Not Used Parts.

Schematic Diagram(7/14)

DVA-9965R

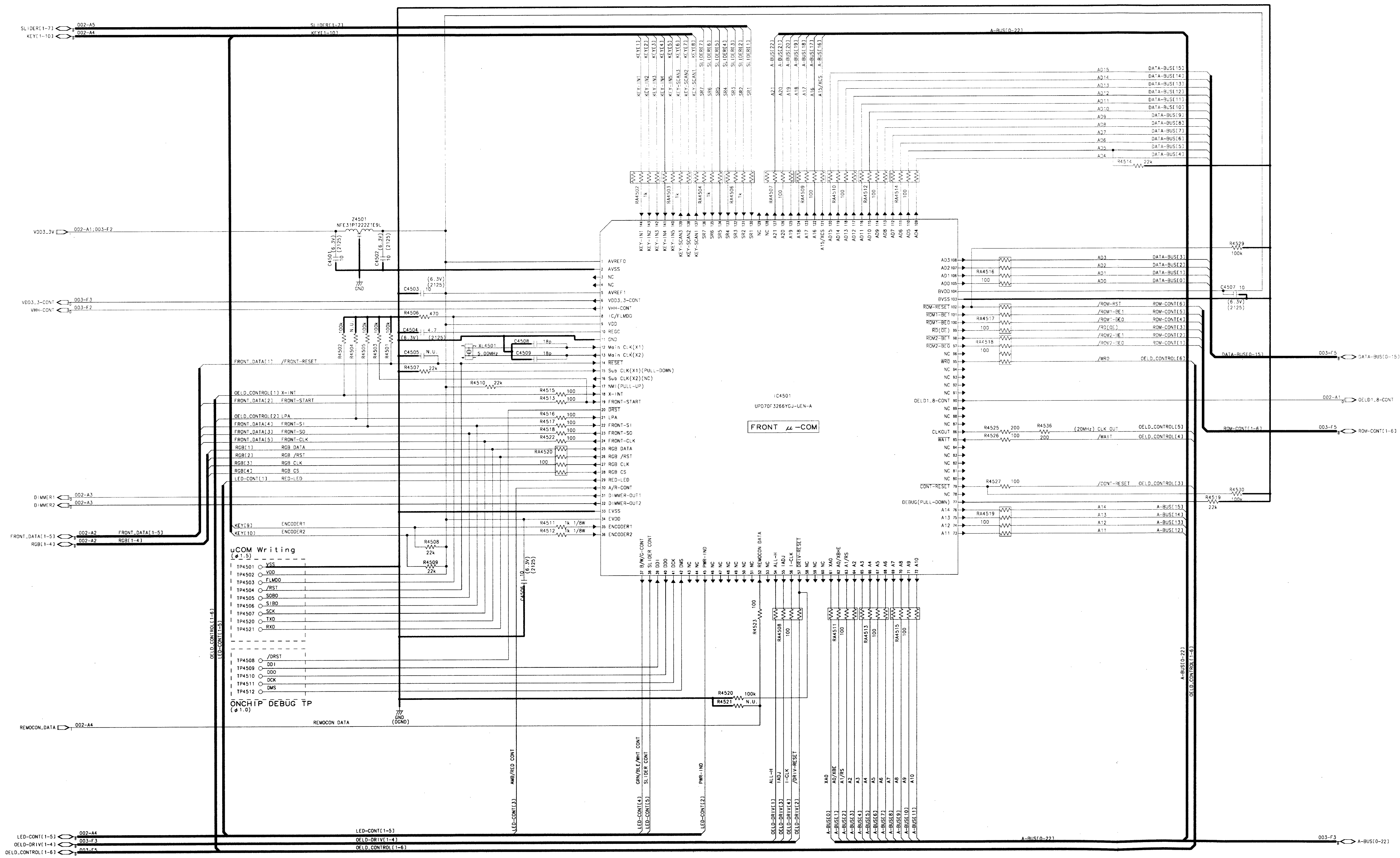


MECHA 7V CONT
IC807
PQ070XZ02ZP
GND
VADJ
VO
VC
VIN
MECHA_7V
005-C2
180mA
C842 1500p
R853 30k
R852 3.9k
R2
R1
R855 750
C843 0.022
E822 220/16(MZA)
C841 0.01
R851 5.1k
DVD7V_CONT
P_CONT[7]
Vo=Vrefx(R1+R2)/R1
Vref=1.25
R2=3.45k
R1=750
Vo=1.25x(750+3.45k)/750
=7V
• 6.86~7.14V
• consumption current:180mA
• power consumption:219mW
GND
MECHA+7V>MECHA 5V
IC808
BA00ASFP
C
OUT
GND
Vcc
CTL
MECHA_5V
005-C1
84mA
R857 7.5k
R858 0
R859 2.4k
C845 0.022
E824 100/6.3
E823 220/16 (MZA)
C844 0.01
R856 6.2k
DVD5V_CONT
P_CONT[3]
Vo=Vcx(R1+R2)/R1
Vc=1.225
R2=7.5k
R1=2.4k
Vo=1.225x(2.4k+7.5k)/2.4k
Vo=5.053V
• 4.95~5.16V
• consumption current:84mA
• power consumption:267mW
R1 recommends about 2.2k
R2 recommends 2.8k or more
4.3V>MECHA 3.3V
IC809
BA00BC0WFP
MECHA_3_3V
BOC_3_3V
DSP_3_3V
005-C2
001-B4
001-F2;004-A4
320mA
R861 12k
R863 1.5k
R864 8.2k
C848 0.022
E826 220/6.3
E825 220/16
C846 0.01
R860 6.8k
DVD3.3V_CONT
P_CONT[4]
Vo=Vcx(R1+R2)/R1
Vc=1.25
R2=13.5k
R1=8.2k
Vo=1.25x(8.2k+13.5k)/8.2k
Vo=3.308V
• 3.24~3.375V
• consumption current:320mA
• power consumption:403mW
IC810
N.U.
36mA
R866 N.U.
R867 N.U.
R868 N.U.
C850 N.U.
E828 N.U.
E827 N.U.
C849 N.U.
R865 N.U.
I-BOC+B_CONT
P_CONT[1]
Vo=Vcx(R1+R2)/R1
Vc=1.25
R2=11.2k
R1=6.8k
Vo=1.25x(6.8k+11.2k)/6.8k
Vo=3.308V
• 3.24~3.375V
• consumption current:36mA
• power consumption:45.9mW
R1 recommends about 30k~150k
R2 recommends 6k or more
4.3V>DSP 3.3V
44.5mA
IC811
NJM2880U33
VOUT
VIN
NOISE-BYPASS
GND
CONTROL
C853 0.022
E830 100/6.3
C852 0.1
C851 1
R854 5.6k
DSP+B_CONT
P_CONT[2]
• 3.267~3.333V
• consumption current:44.5mA
• power consumption:55.1mW
006-A1 7.6V
006-A1 4.3V
006-A1 2.9V
2.9V>MECHA 1.2V
IC812
PQ012FZ01ZPH
Vin
BIAS
Vout
ON/OFF
GND
MECHA_1_2V
DSP_1_8V
BOC_1_8V
005-C2
001-F2
001-B5
245mA
C855 0.022
E832 220/6.3
C860 0.33
E831 100/16
C854 0.022
R862 5.6k
DVD1.2V_CONT
P_CONT[5]
• 1.17~1.23V
• consumption current:245mA
• power consumption:448mW
2.9V>DSP 1.8V
IC813
BA00BC0WFP
319mA
R872 6.8k
R874 2k
R875 20k
C858 0.022
E834 220/6.3
C857 47
C856 0.01
R871 5.1k
Vo=Vrefx(R1+R2)/R1
Vref=1.25
R2=7.93k
R1=18k
Vo=1.25x(18k+7.93k)/18k
Vo=1.8007V
• 1.765~1.837V
• consumption current:319mA
• power consumption:395mW
IC814
N.U.
570mA
R877 N.U.
R879 N.U.
R880 N.U.
C861 N.U.
E836 N.U.
C847 N.U.
C859 N.U.
R876 N.U.
I-BOC+B_CONT
P_CONT[1]
Vo=Vrefx(R1+R2)/R1
Vref=1.25
R2=7.93k
R1=18k
Vo=1.25x(18k+7.93k)/18k
Vo=1.8007V
• 1.765~1.837V
• consumption current:570mA
• power consumption:705mW
P_CONT[1-9]
003-F5;006-A1
P_CONT[1-8]

MAIN P.W.Board(7/7)
NOTE:N.U.is Not Used Parts.

Schematic Diagram(8/14)

DVA-9965R

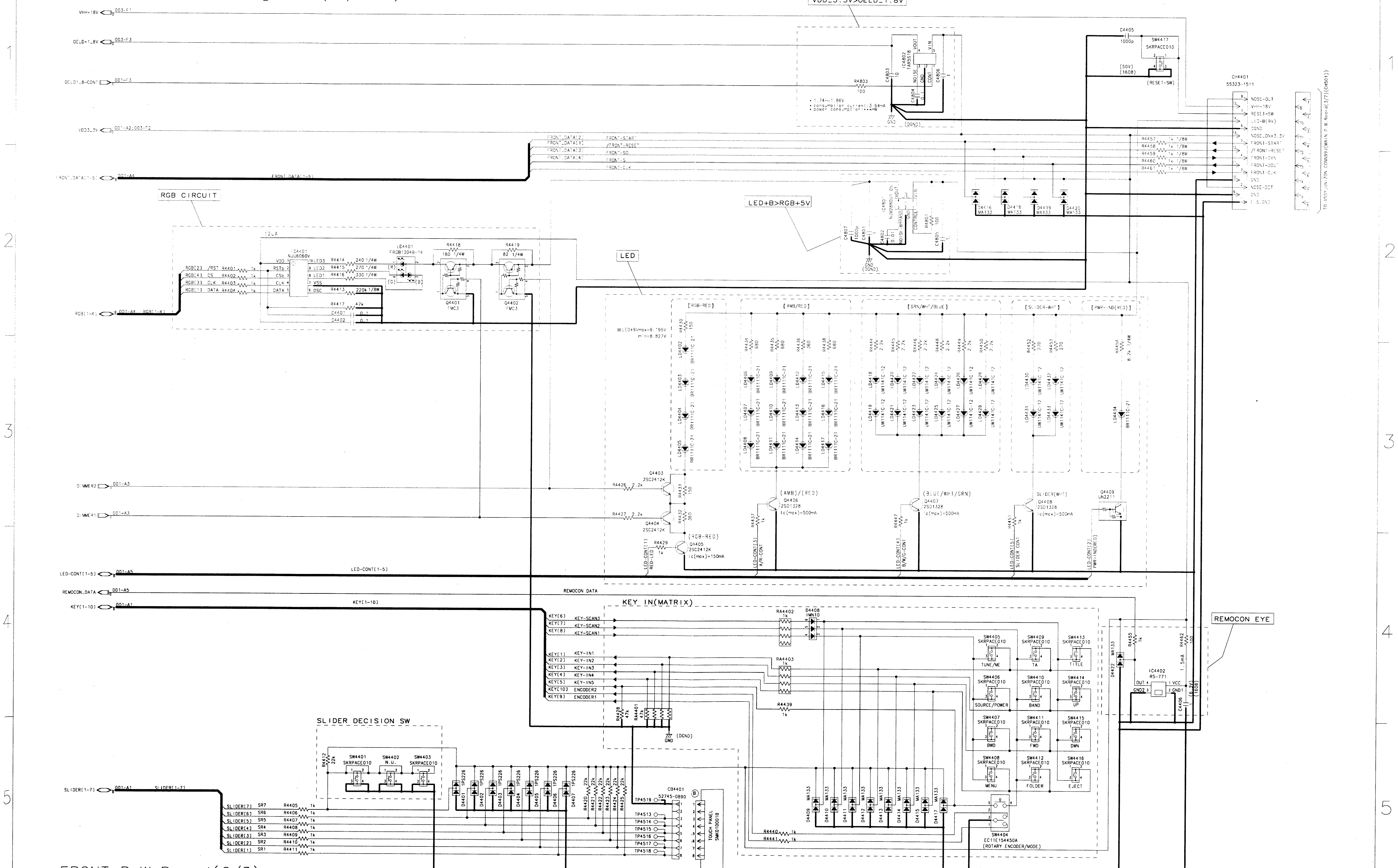

SLIDER[1-7]
KEY[1-10]
VDD3_3V
VDD3_3-CONT
VHH-CONT
DIMMER1
DIMMER2
FRONT_DATA[1-5]
RGB[1-4]
REMOCON_DATA
LED-CONT[1-5]
OELD-DRIV[1-4]
OELD_CONTROL[1-6]
A-BUS[0-22]
DATA-BUS[0-15]
OELD1_8-CONT
ROM-CONT[1-6]
Z4501
NFE31PT222Z1E9L
XL4501
5.00MHz
IC4501
UPD70F3266YGJ-UEN-A
FRONT μ-COM
uCOM Writing
(φ1.5)
TP4501 VSS
TP4502 VDD
TP4503 FLMD0
TP4504 /RST
TP4505 SOBO
TP4506 SIBO
TP4507 SCK
TP4520 TXD
TP4521 RXD
TP4508 /DRST
TP4509 DDI
TP4510 DDO
TP4511 DCK
TP4512 DMS
ONCHIP DEBUG TP
(φ1.0)
GND
(DGND)
REMOCON DATA
AMB/RED CONT
GRN/BLE/WHT CONT
SLIDER CONT
PWR-IND
ALL-H
IADJ
I-CLK
/DRIV-RESET

FRONT P.W.Board(1/3)
NOTE:N.U.is Not Used Parts.

TO P.W. BOARD
TO PARTS LIST
TO CONTENTS

Schematic Diagram(9/14)

DVA-9965R

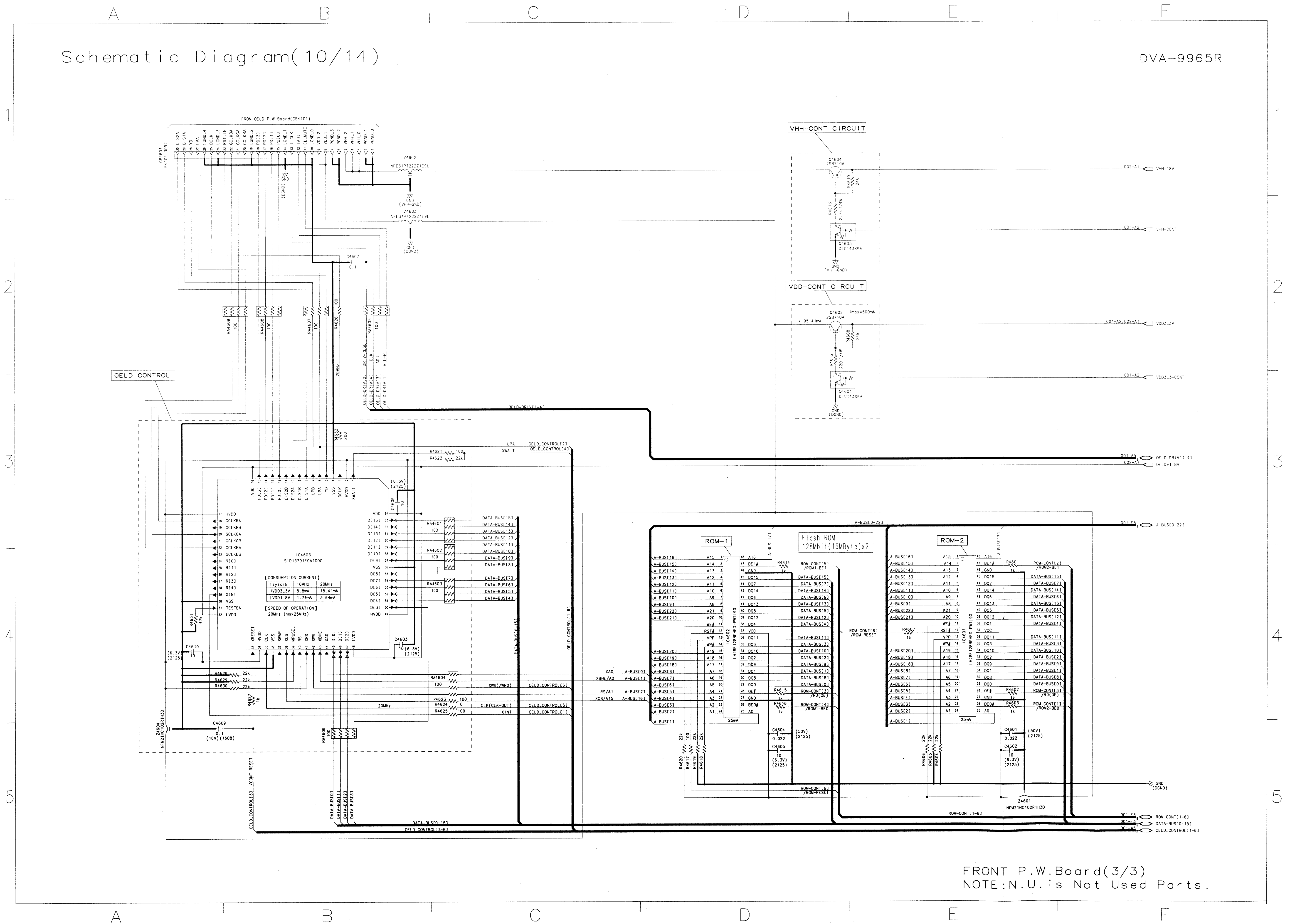

A
B
C
D
E
F
1
2
3
4
5
VHH+18V
OELD+1.8V
OELD1.8-CONT
VDD3.3V
FRONT DATA[1-5]
VDD_3.3V>OELD_1.8V
RGB CIRCUIT
LED+B>RGB+5V
LED
RGB[1-4]
IC4401
NJU6060V
LD4401
Q4401
FMC3
Q4402
FMC3
SW4417
SKRPACE010
(RESET-SW)
CN4401
55323-1511
NOSE-OUT
VHH+18V
RESET-SW
LED+B(9V)
DGND
NOSE-ON+3.3V
FRONT-START
/FRONT-RESET
FRONT-DIN
FRONT-DOUT
FRONT-CLK
GND
NOSE-DET
E.S.GND
D4416
D4418
D4419
D4420
MA133
[RGB-RED]
[AMB/RED]
[GRN/WHT/BLUE]
[SLIDER-WHT]
[PWR-IND(RED)]
DIMMER2
DIMMER1
Q4403
2SC2412K
Q4404
2SC2412K
Q4405
2SC2412K
(RGB-RED)
(AMB)/(RED)
Q4406
2SD1328
(BLUE/WHT/GRN)
Q4407
2SD1328
SLIDER(WHT)
Q4408
2SD1328
Q4409
UN2211
LED-CONT[1-5]
REMOCON_DATA
REMOCON DATA
KEY[1-10]
KEY IN(MATRIX)
KEY-SCAN3
KEY-SCAN2
KEY-SCAN1
KEY-IN1
KEY-IN2
KEY-IN3
KEY-IN4
KEY-IN5
ENCODER2
ENCODER1
REMOCON EYE
IC4402
RS-771
SW4405
TUNE/ME
SW4409
TA
SW4413
TITLE
SW4406
SOURCE/POWER
SW4410
BAND
SW4414
UP
SW4407
BWD
SW4411
FWD
SW4415
DWN
SW4408
MENU
SW4412
FOLDER
SW4416
EJECT
SW4404
EC11E154450A
(ROTARY ENCODER/MODE)
SLIDER DECISION SW
SW4401
SKRPACE010
SW4402
N.U.
SW4403
SKRPACE010
SLIDER[1-7]
CB4401
52745-0890
TOUCH PANEL
SMK010001B
TP4513
TP4514
TP4515
TP4516
TP4517
TP4518
TP4519
(DGND)

FRONT P.W.Board(2/3)
NOTE:N.U.is Not Used Parts.

TO P. W. BOARD
TO PARTS LIST
TO CONTENTS

Schematic Diagram(10/14)

DVA-9965R



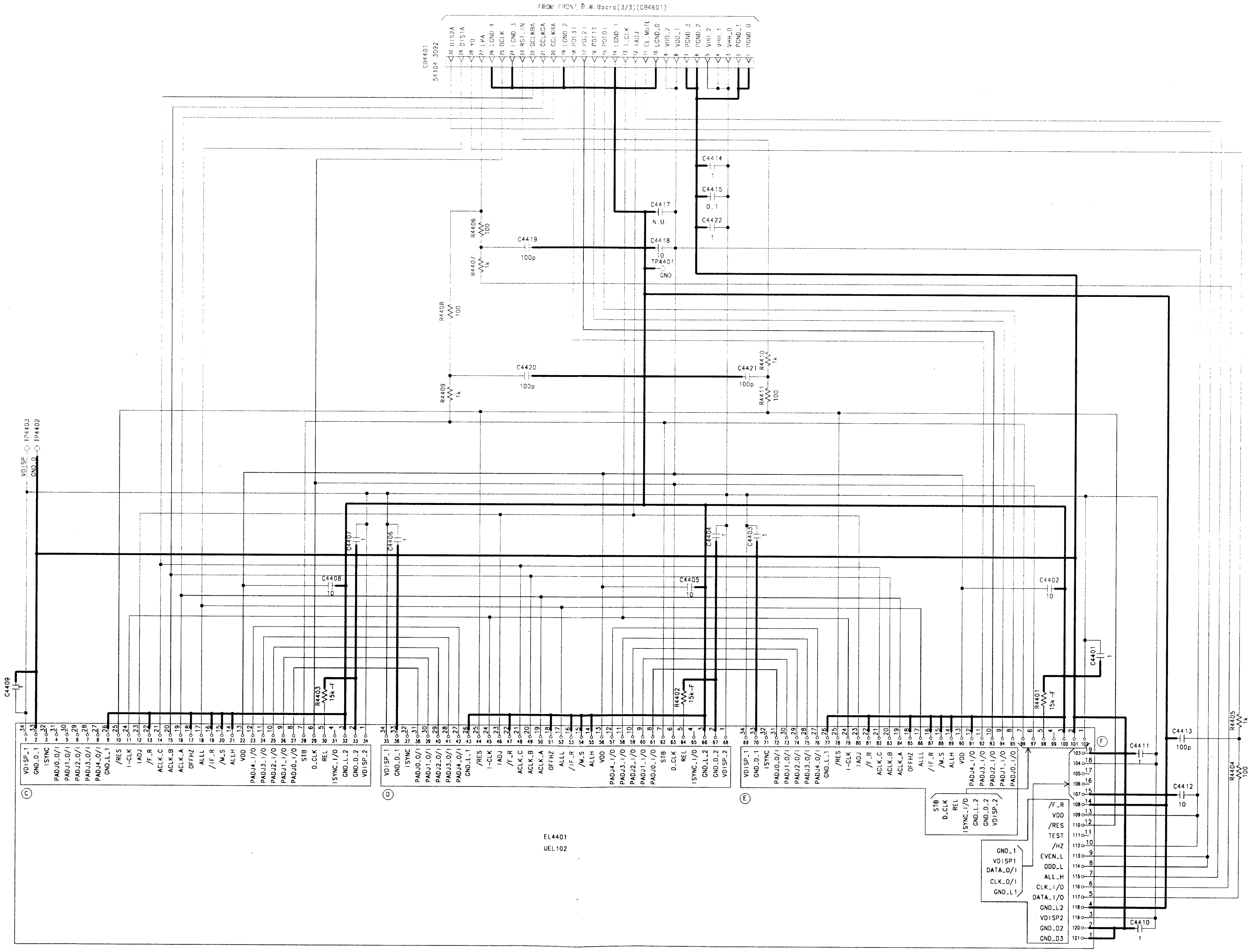
A
B
C
D
E
F
1
2
3
4
5
FROM OELD P.W.Board(CB4401)
CB4601
Z4602
NFE31PT222Z1E9L
Z4603
NFE31PT222Z1E9L
C4607
0.1
RA4609
RA4608
RA4607
R4626
RA4605
100
20MHz
OELD CONTROL
OELD-DRIV[1-4]
IC4603
S1D13701F0A1000
CONSUMPTION CURRENT
HVDD3.3V
LVDD1.8V
SPEED OF OPERATION
20MHz (max25MHz)
R4621
R4622
R4632
C4606
RA4601
RA4602
RA4603
RA4604
RA4606
R4623
R4624
R4625
R4627
R4628
R4629
R4630
R4631
C4603
C4609
C4610
Z4604
NFM21HC102R1H3D
DATA-BUS[0-15]
OELD_CONTROL[1-6]
A-BUS[0-22]
VHH-CONT CIRCUIT
Q4604
2SB710A
R4610
R4613
Q4603
DTC143XKA
GND
(VHH-GND)
VDD-CONT CIRCUIT
Q4602
2SB710A
Imax=500mA
R4608
R4612
Q4601
DTC143XKA
GND
(DGND)
V-H+18V
V-H-CONT
VDD3.3V
VDD3.3-CONT
OELD-DRIV[1-4]
OELD+1.8V
A-BUS[0-22]
ROM-1
ROM-2
Flash ROM
128Mbit(16MByte)x2
IC4602
LH28F128BFHED-PWTL90
IC4601
LH28F128BFHED-PWTL90
R4614
R4615
R4616
R4601
R4602
R4603
R4607
R4617
R4618
R4619
R4620
R4604
R4605
R4606
C4604
C4605
C4601
C4602
Z4601
NFM21HC102R1H3D
ROM-CONT[1-6]
ROM-CONT[6]
/ROM-RESET
GND
(DGND)
ROM-CONT[1-6]
DATA-BUS[0-15]
OELD_CONTROL[1-6]

FRONT P.W.Board(3/3)
NOTE:N.U.is Not Used Parts.

TO P. W. BOARD
TO PARTS LIST
TO CONTENTS

Schematic Diagram(11/14)

DVA-9965R


FROM FRONT P.W.Board(3/3)(CB4601)
CB4401
54104 3092
DIS2A
DIS1A
YD
LPA
LGND_4
DCLK
LGND_3
RST_IN
GCLKBA
GCLKGA
GCLKRA
LGND_2
PD[3]
PD[2]
PD[1]
PD[0]
LGND_1
I_CLK
IADJ
EL_MUTE
LGND_0
VDD_2
VDD_1
PGND_3
PGND_2
VHH_2
VHH_1
VHH_0
PGND_1
PGND_0
C4414
C4415
0.1
C4422
C4417
N.U.
C4418
10
TP4401
GND
C4419
100p
R4406
100
R4407
1k
R4408
100
C4420
100p
C4421
100p
R4410
1k
R4411
100
R4409
1k
VDISP
GND_0
TP4403
TP4402
C4409
C4407
C4406
C4408
10
C4404
C4403
C4405
10
C4402
10
C4401
R4403
15k-F
R4402
15k-F
R4401
15k-F
C4411
C4413
100p
C4412
10
C4410
R4405
1k
R4404
100
EL4401
UEL102
VDISP_1
GND_D_1
ISYNC
PADJ0_O/I
PADJ1_O/I
PADJ2_O/I
PADJ3_O/I
PADJ4_O/I
GND_L1
/RES
I-CLK
IADJ
/F_R
ACLK_C
ACLK_B
ACLK_A
OFFHZ
ALLL
/IF_R
/M_S
ALLH
VDD
PADJ4_I/O
PADJ3_I/O
PADJ2_I/O
PADJ1_I/O
PADJ0_I/O
STB
D_CLK
REL
ISYNC_I/O
GND_L2
GND_D_2
VDISP_2
/F_R
VDD
/RES
TEST
/HZ
EVEN_L
ODD_L
ALL_H
CLK_I/O
DATA_I/O
GND_L2
VDISP2
GND_D2
GND_D3
GND_1
VDISP1
DATA_O/I
CLK_O/I
GND_L1
C
D
E
F

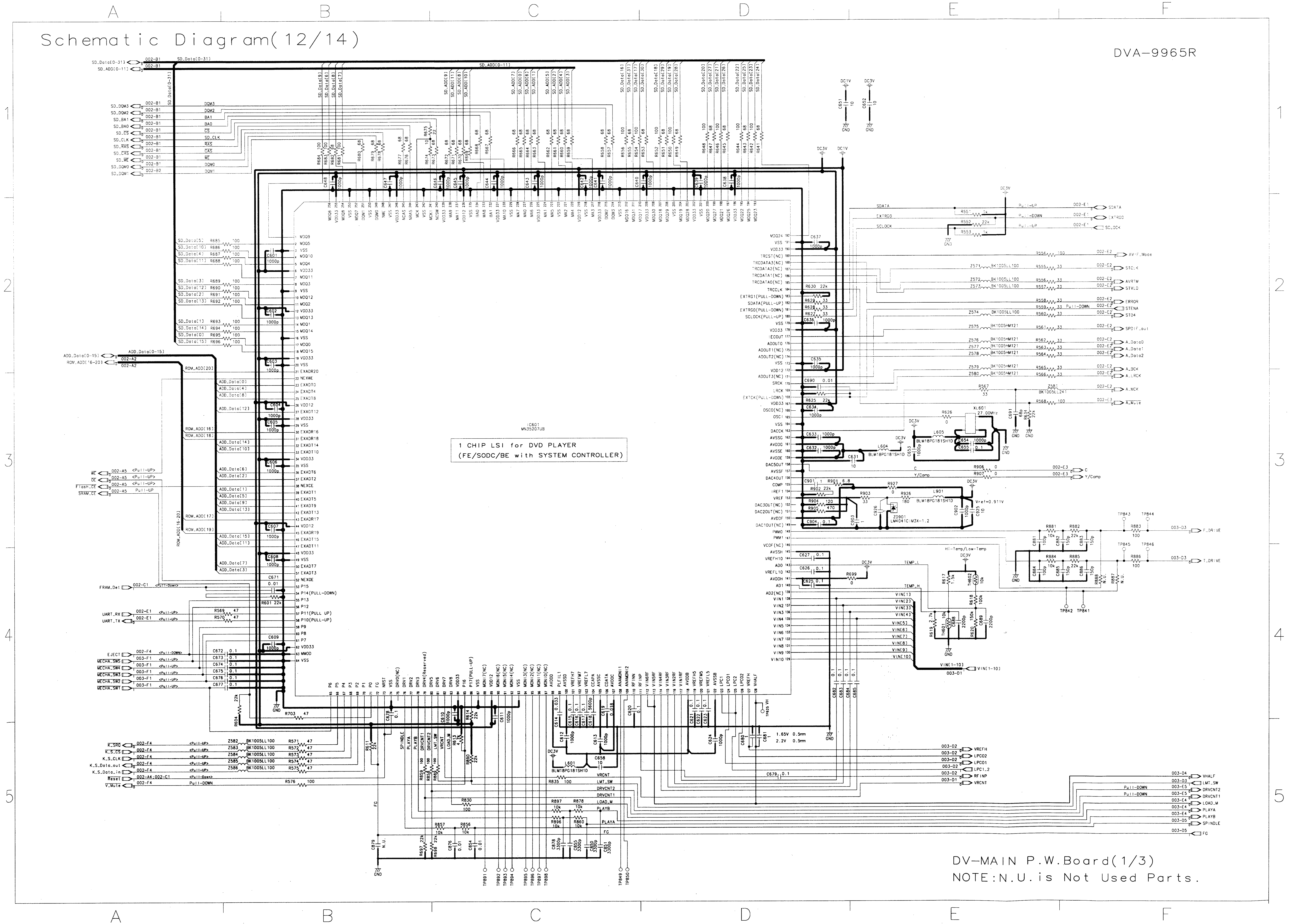
OELD P.W.Board

NOTE:N.U.is Not Used Parts.

TO P. W. BOARD
TO PARTS LIST
TO CONTENTS

Schematic Diagram(12/14)

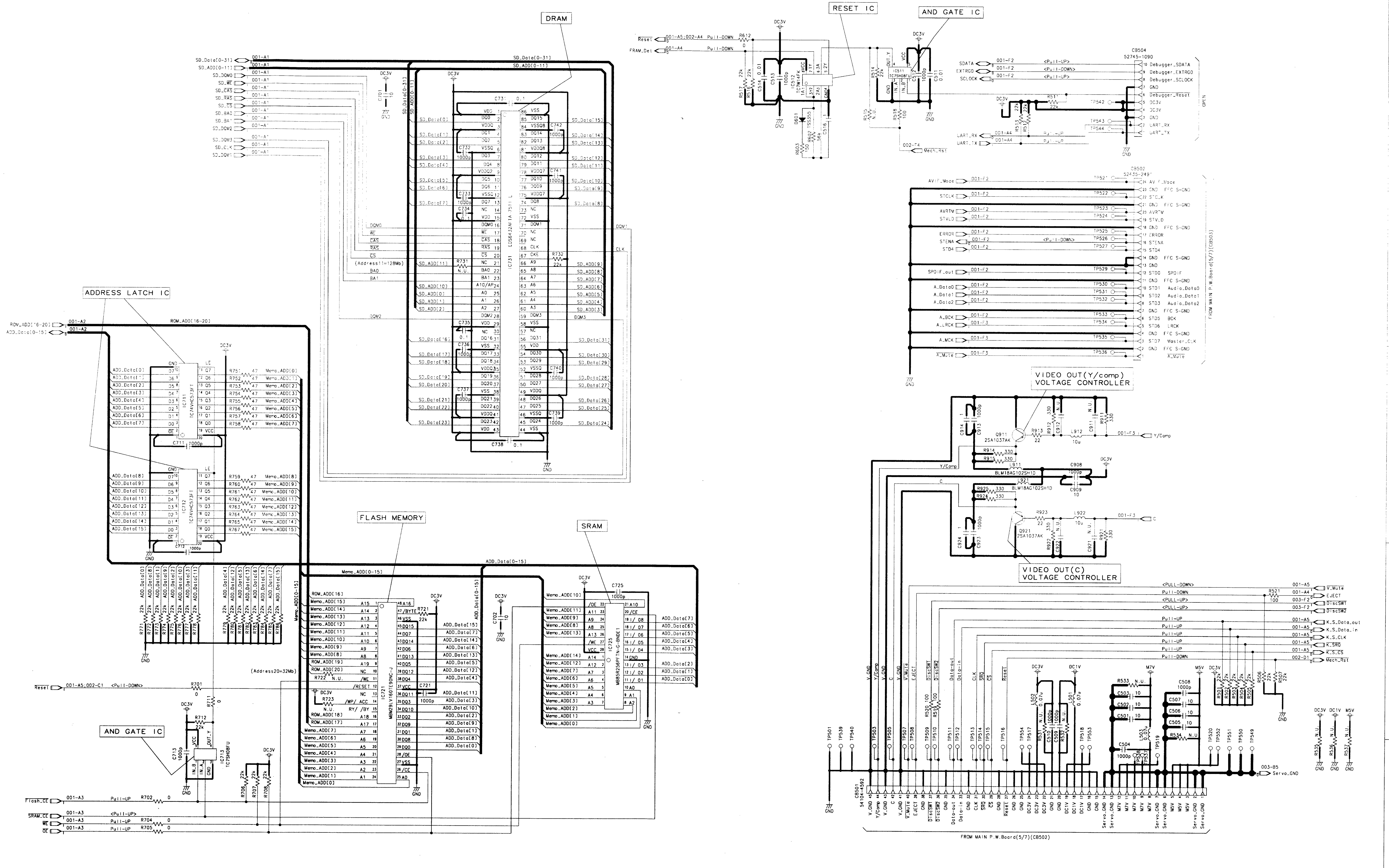
DVA-9965R


IC601
MN35207UB
1 CHIP LSI for DVD PLAYER
(FE/SODC/BE with SYSTEM CONTROLLER)
SD_Data[0-31]
SD_ADD[0-11]
SD_DQM3
SD_DQM2
SD_BA1
SD_BA0
SD_CS
SD_CLK
SD_RAS
SD_CAS
SD_WE
SD_DQM0
SD_DQM1
ADD_Data[0-15]
ROM_ADD[16-20]
Flash_CE
SRAM_CE
FRAM_Det
UART_RX
UART_TX
EJECT
MECHA_SW5
MECHA_SW3
MECHA_SW2
MECHA_SW1
K_SRQ
K_S_CS
K_S_CLK
K_S_Data_out
K_S_Data_in
V_Mute
SDATA
EXTRG0
SCLOCK
AV-F_Mode
STCLK
AVRTM
STVLD
ERROR
STENA
ST04
SPDIF_out
A_Data0
A_Data1
A_Data2
A_BCK
A_LRCK
A_MCK
A_Mute
XL601
27.00MHz
C
Y/Comp
Vref=0.911V
D901
LM4041CIM3X-1.2
T_DRIVE
F_DRIVE
Hi-Temp/Low-Temp
TEMP_L
TEMP_H
TH601
TH602
VIN[1-10]
VREFH
LPCO2
LPCO1
LPC1_2
RFINP
VRCNT
VHALF
LMT_SW
DRVCNT2
DRVCNT1
LOAD_M
PLAYA
PLAYB
SPINDLE
FG
DC3V
DC1V
GND
1.65V 0.5mm
2.2V 0.5mm
A
B
C
D
E
F
1
2
3
4
5

DV-MAIN P.W.Board(1/3)
NOTE:N.U.is Not Used Parts.

Schematic Diagram(13/14)

DVA-9965R

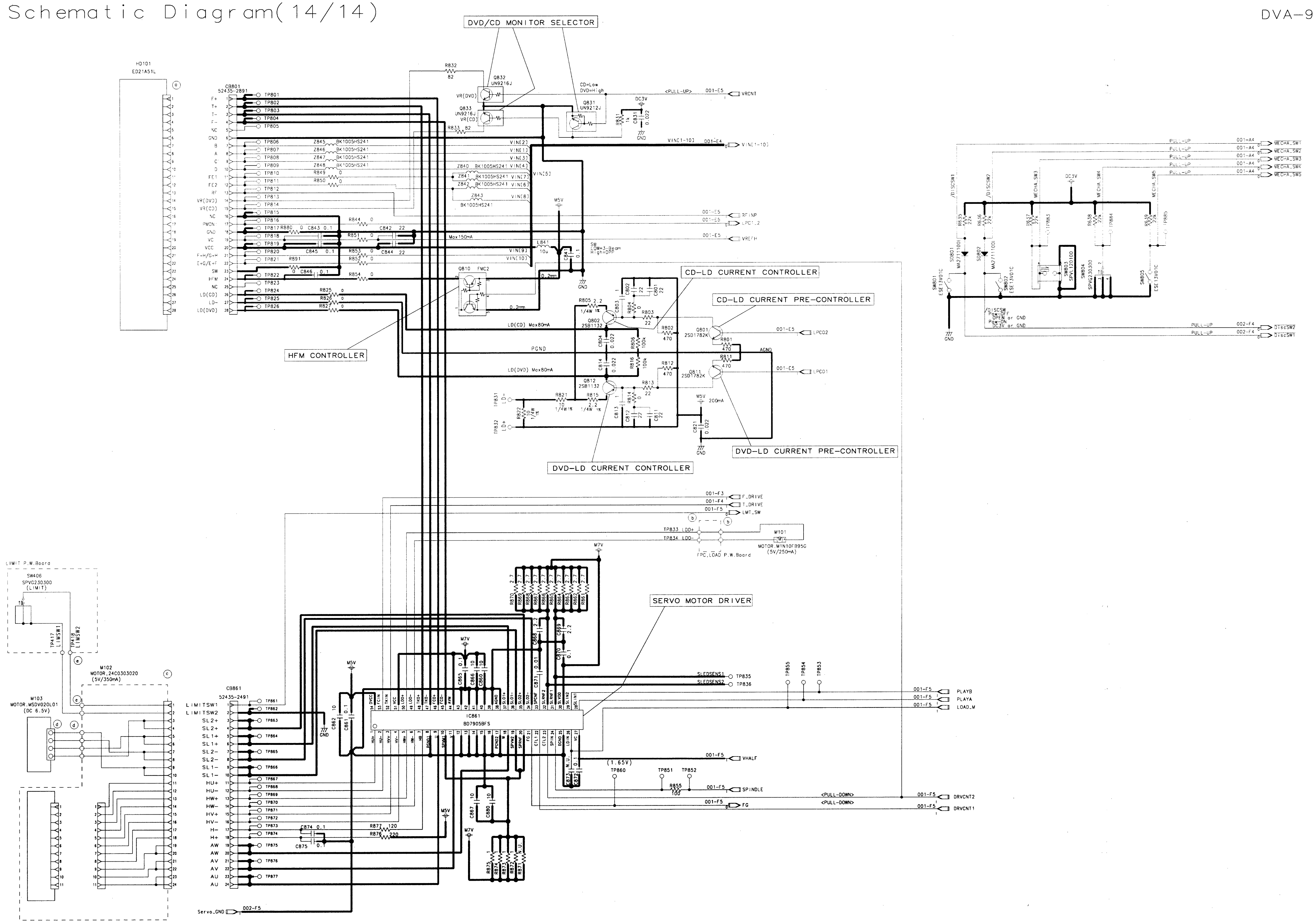

DRAM
RESET IC
AND GATE IC
ADDRESS LATCH IC
FLASH MEMORY
SRAM
AND GATE IC
VIDEO OUT(Y/comp)
VOLTAGE CONTROLLER
VIDEO OUT(C)
VOLTAGE CONTROLLER
FROM MAIN P.W.Board(5/7)(CB503)
FROM MAIN P.W.Board(5/7)(CB502)

DV−MAIN P.W.Board(2/3)

NOTE:N.U.is Not Used Parts.

Schematic Diagram(14/14)

DVA-9965R



DVD/CD MONITOR SELECTOR
HD101
ED21A51L
CB801
52435-2891
Q832
UN9216J
Q833
UN9216J
Q831
UN9212J
CD=Low
DVD=High
DC3V
VRCNT
VIN[1-10]
RFINP
LPC1_2
VREFH
M5V
CD-LD CURRENT CONTROLLER
CD-LD CURRENT PRE-CONTROLLER
Q802
2SB1132
Q801
2SD1782K
Q812
2SB1132
Q811
2SD1782K
LPCO2
LPCO1
AGND
PGND
LD(CD) Max80mA
LD(DVD) Max80mA
HFM CONTROLLER
Q810
FMC2
DVD-LD CURRENT CONTROLLER
DVD-LD CURRENT PRE-CONTROLLER
F_DRIVE
T_DRIVE
LMT_SW
M101
MOTOR M1N10F995G
(5V/250mA)
FPC,LOAD P.W.Board
SERVO MOTOR DRIVER
IC861
BD7905BFS
M7V
SLEDSENS1
SLEDSENS2
TP835
TP836
PLAYB
PLAYA
LOAD_M
VHALF
(1.65V)
SPINDLE
FG
<PULL-DOWN>
DRVCNT2
DRVCNT1
LIMIT P.W.Board
SW406
SPVG230300
(LIMIT)
M102
MOTOR.24C0303020
(5V/350mA)
M103
MOTOR.MSDV020L01
(DC 6.5V)
CB861
52435-2491
LIMITSW1
LIMITSW2
Servo_GND
VECHA_SW1
VECHA_SW2
VECHA_SW3
VECHA_SW4
VECHA_SW5
DiscSW2
DiscSW1
SW801
SW802
SW803
SW804
SW805
ESE13V01C
SPVQ230300
/DISCSW
Push:OFF
OPEN or GND
Push:ON
DC3V or GND

DV-MAIN P.W.Board(3/3)
NOTE:N.U.is Not Used Parts.

Terminal Voltage of IC/TR

IC101								
Pin No.	Voltage	Note	Pin No.	Voltage	Note	Pin No.	Voltage	Note
1	1.8		49	3.3		97	NC	
2	SIG	CHG mode	50	NC		98	NC	
3	SIG	CHG mode	51	NC		99	NC	
4	SIG	CHG mode	52	NC		100	PS/2.7	TUNER/OTHER
5	SIG	CHG mode	53	NC		101	2.7	
6	1.64		54	1.8		102	0	
7	1.64		55	0		103	NC	
8	3.3		56	NC		104	0	
9	3.3		57	PS		105	3.3	
10	0		58	NC		106	2.7	
11	1.64		59	NC		107	2.7	
12	1.64		60	1.8		108	NC	
13	1.64		61	0		109	NC	
14	1.64		62	0		110	3.3	
15	1.64		63	0		111	3.3	
16	1.64		64	0		112	0	
17	1.64		65	0		113	NC	
18	1.64		66	0		114	NC	
19	1.64		67	0		115	NC	
20	1.8		68	0		116	NC	
21	0		69	3.3		117	NC	
22	0		70	0		118	NC	
23	0		71	0		119	NC	
24	NC		72	0		120	NC	
25	0		73	0		121	0	
26	0		74	0		122	1.8	
27	0		75	PS		123	NC	
28	PS		76	NC		124	NC	
29	PS		77	NC		125	1.8	
30	NC		78	NC		126	0	
31	NC		79	PS		127	NC	
32	NC		80	CLK		128	NC	
33	3.3		81	0		129	0	
34	PS	CD mode	82	0		130	0	
35	0		83	0		131	CLK	
36	1.65		84	0		132	CLK	
37	3.3		85	0		133	1.8	
38	SIG		86	0		134	NC	
39	SIG		87	3.3		135	PS	
40	3.3		88	0		136	SIG	
41	0		89	0		137	SIG	
42	3.3		90	0		138	0	
43	SIG		91	NC		139	3.3	
44	SIG		92	NC		140	2.9	
45	SIG		93	NC		141	0	
46	SIG		94	1.8		142	1.3	
47	3.3		95	0		143	SIG	
48	CLK		96	NC		144	SIG	

TO SCHEMATIC

TO CONTENTS

IC201

Pin No.	Voltage	Note	Pin No.	Voltage	Note	Pin No.	Voltage	Note
1	3.3		16	NC		31	PS	
2	0		17	NC		32	PS	
3	NC		18	NC		33	NC	
4	NC		19	0		34	SIG	
5	NC		20	8.3		35	SIG	
6	NC		21	12.0		36	SIG	
7	NC		22	0		37	SIG	
8	NC		23	6.3		38	SIG	
9	NC		24	SIG		39	SIG	
10	NC		25	SIG		40	NC	
11	NC		26	SIG		41	NC	
12	NC		27	SIG		42	NC	
13	NC		28	SIG		43	NC	
14	NC		29	SIG		44	NC	
15	NC		30	8.3				

IC202

Pin No.	Voltage	Note
1	SIG	SOUND GUIDE
2	9	
3	4.2	
4	0	
5	0.6	
6	0	
7	SIG	SOUND GUIDE
8	0.6	

IC205

Pin No.	Voltage	Note
1	PS	
2	0	
3	0	
4	0	
5	0/3.3	DVD/TUNER
6	PS	
7	PS	
8	3.3	

IC204

Pin No.	Voltage	Note	Pin No.	Voltage	Note	Pin No.	Voltage	Note
1	0		11	3.3		21	PS	
2	0		12	PS		22	0	
3	3.3		13	PS		23	3.3	
4	3.3		14	PS		24	3.3	
5	0		15	NC		25	NC	
6	3.3		16	0		26	PS	
7	0		17	0		27	0	
8	0		18	0		28	0	
9	3.3		19	0				
10	0		20	0				

IC206

Pin No.	Voltage	Note
1	PS	
2	3.3/0	OPT ON/OFF
3	0	
4	PS/0	OPT ON/OFF
5	5.0	

TO SCHEMATIC TO CONTENTS

IC208								
Pin No.	Voltage	Note	Pin No.	Voltage	Note	Pin No.	Voltage	Note
1	3.3		11	NC		21	3.3	
2	0		12	NC		22	NC	
3	0		13	PS	SOUND GUIDE	23	0	
4	NC		14	PS	SOUND GUIDE	24	NC	
5	NC		15	PS	SOUND GUIDE	25	3.2	
6	3.2		16	PS	SOUND GUIDE	26	NC	
7	NC		17	PS	SOUND GUIDE	27	NC	
8	0		18	0		28	0	
9	NC		19	NC		29	0	
10	3.3		20	NC		30	SIG	SOUND GUIDE

IC301		
Pin No.	Voltage	Note
1	3.3	
2	PS	
3	PS	
4	0	
5	PS	
6	3.3	
7	PS	
8	3.3	

IC303		
Pin No.	Voltage	Note
1	SIG	REAR DVD ON
2	4.15	
3	SIG	
4	0	
5	SIG	
6	4.15	
7	SIG	
8	8.3	

IC302		
Pin No.	Voltage	Note
1	PS	REAR DVD ON
2	PS	
3	PS	
4	0	
5	0	
6	0	
7	SIG	
8	SIG	
9	0	
10	2.5	
11	3.3	
12	NC	
13	PS	
14	PS	
15	PS	
16	CLK	

IC401		
Pin No.	Voltage	Note
1	SIG	
2	4.15	
3	SIG	
4	0	
5	SIG	
6	4.15	
7	SIG	
8	8.3	

IC402		
Pin No.	Voltage	Note
1	SIG	
2	4.15	
3	SIG	
4	0	
5	SIG	
6	4.15	
7	SIG	
8	8.3	

IC403		
Pin No.	Voltage	Note
1	SIG	
2	4.15	
3	SIG	
4	0	
5	SIG	
6	4.15	
7	SIG	
8	8.3	

TO SCHEMATIC

TO CONTENTS

IC404					
Pin No.	Voltage	Note	Pin No.	Voltage	Note
1	4.15		4	4.15	
2	0		5	8.3	
3	4.15				

IC501								
Pin No.	Voltage	Note	Pin No.	Voltage	Note	Pin No.	Voltage	Note
1	3.3		49	PS		97	PS	Voice synthesis
2	0		50	PS		98	PS	Voice synthesis
3	NC		51	PS		99	PS	Voice synthesis
4	NC		52	3.3		100	3.3	Voice synthesis
5	3.3		53	3.3		101	3.3	Voice synthesis
6	NC		54	3.3		102	NC	
7	NC		55	PS	ST-REM	103	0	
8	0		56	3.3		104	3.3	
9	3.3		57	3.3		105	PS	
10	2.6		58	NC		106	PS	
11	0		59	PS		107	PS	
12	CLK		60	PS		108	NC	
13	CLK		61	PS		109	NC	
14	3.3		62	PS		110	0	
15	NC		63	NC		111	0	MUTE ON
16	NC		64	PS		112	3.3/0	REAR ON/OFF
17	3.3		65	PS		113	3.3	
18	3.3		66	NC		114	NC	
19	3.3	ACC ON	67	PS		115	3.3	
20	0		68	PS		116	3.3	
21	PS	Ai-NET	69	PS		117	3.3	
22	PS		70	PS		118	3.3	
23	PS		71	PS		119	3.3	
24	NC		72	PS		120	3.3	
25	PS	Ai-NET	73	PS		121	3.3	
26	PS	Ai-NET	74	PS		122	0	
27	PS	Ai-NET	75	PS		123	3.3/3.3	OPT ON/OFF
28	PS	Ai-NET	76	PS		124	NC	
29	PS	Ai-NET	77	3.3		125	0/3.3	DVD/TUNER
30	3.3	Ai-NET	78	3.3		126	NC	
31	3.3	Ai-NET	79	0		127	3.3	
32	NC		80	3.3		128	NC	
33	0		81	3.3		129	NC	
34	3.3		82	3.3		130	3.3	
35	PS		83	3.3		131	0	
36	PS		84	NC		132	NC	
37	0		85	3.3		133	NC	
38	NC		86	NC		134	NC	
39	-	ONCHIP DEBUG	87	NC		135	NC	
40	-	ONCHIP DEBUG	88	0		136	0	
41	-	ONCHIP DEBUG	89	3.3		137	3.3	
42	-	ONCHIP DEBUG	90	0		138	NC	
43	3.3		91	0		139	1.65	
44	0/3.3	2WAY/3WAY	92	0		140	NC	
45	3.3		93	3.3		141	2.7	
46	NC		94	NC		142	NC	
47	PS		95	PS	Voice synthesis	143	NC	
48	3.3		96	PS	Voice synthesis	144	NC	

TO SCHEMATIC

TO CONTENTS

IC502

Pin No.	Voltage	Note
1	0	
2	0	
3	0	
4	0	
5	PS	
6	PS	
7	0	
8	3.3	

IC601

Pin No.	Voltage	Note
1	PS	
2	PS	
3	PS	
4	0	
5	PS	
6	PS	
7	PS	
8	5.0	

IC701

Pin No.	Voltage	Note
1	NC	
2	5.6	
3	NC	
4	3.4	
5	NC	
6	12.3	
7	0	
8	12.3	
9	NC	
10	12.3	
11	12.3	
12	NC	
13	0	
14	NC	
15	3.7	
16	NC	
17	NC	
18	NC	
19	0	
20	0	
21	0	
22	NC	
23	NC	
24	3.7	
25	NC	

IC702

Pin No.	Voltage	Note
1	3.3	
2	3.3	
3	5.0	
4	PS	
5	PS	
6	PS	
7	0	
8	PS	
9	PS	
10	PS	
11	PS	
12	PS	
13	PS	
14	5.0	

IC704

Pin No.	Voltage	Note
1	PS	
2	PS	
3	PS	
4	PS	
5	CLK	
6	CLK	
7	PS	
8	0	
9	PS	
10	0	
11	5.0	
12	PS	
13	PS	
14	0	
15	5.0	
16	5.0	

IC703

Pin No.	Voltage	Note
1	PS	
2	PS	
3	0	
4	PS	
5	5.0	

TO SCHEMATIC

TO CONTENTS

IC708

Pin No.	Voltage	Note
1	NC	
2	PS	
3	PS	
4	0	
5	NC	
6	PS	
7	PS	
8	5.0	

IC802

Pin No.	Voltage	Note
1	3.3	
2	3.3	
3	0	
4	NC	
5	0	

IC801

Pin No.	Voltage	Note
1	0	
2	0	
3	5.0	
4	NC	
5	8.3	
6	5.0	
7	8.5	
8	0	
9	5.0	
10	2.1	
11	5.0	
12	NC	
13	NC	
14	NC	
15	2.6	
16	NC	
17	13.8	
18	5.0	
19	6.0	
20	0	
21	NC	
22	PS	
23	14.0	
24	PS	
25	14.4	

IC803

Pin No.	Voltage	Note
1	5.0	
2	0	
3	3.3	

IC804

Pin No.	Voltage	Note
1	3.3	
2	14.0	
3	0	
4	12.5	
5	1.2	

IC805

Pin No.	Voltage	Note
1	3.3	
2	14.4	
3	0	
4	9.0	
5	1.2	

IC806

Pin No.	Voltage	Note
1	8.5	
2	0	
3	1.3	
4	5.0	
5	8.5	

IC807

Pin No.	Voltage	Note
1	7.6	DVD mode
2	3.2	
3	7.0	
4	1.2	
5	0	

IC808

Pin No.	Voltage	Note
1	2.8	DVD mode
2	7.6	
3	0	
4	5.0	
5	1.2	

IC809

Pin No.	Voltage	Note
1	2.8	
2	4.3	
3	0	
4	3.3	
5	1.3	

TO SCHEMATIC

TO CONTENTS

IC811		
Pin No.	Voltage	Note
1	3.3	
2	0	
3	1.3	
4	3.3	
5	4.3	

IC8112		
Pin No.	Voltage	Note
1	2.9	
2	2.9	
3	1.2	
4	3.0	
5	0	

IC813		
Pin No.	Voltage	Note
1	3.0	
2	2.9	
3	0	
4	1.8	
5	1.3	

IC815		
Pin No.	Voltage	Note
1	3.3	
2	3.3	
3	0	
4	5.0	
5	5.0	

IC901		
Pin No.	Voltage	Note
1	SIG	DVD play
2	3.0	
3	SIG	
4	0	
5	SIG	
6	NC	
7	0	
8	1.8	
9	1.8	
10	0	
11	1.8	
12	3.0	
13	6.0	
14	SIG	
15	0	
16	1.8	

IC902		
Pin No.	Voltage	Note
1	SIG	
2	0	
3	SIG	
4	SIG	
5	SIG	
6	NC	
7	6.0	
8	SIG	

IC903		
Pin No.	Voltage	Note
1	SIG	
2	6.0	
3	NC	
4	SIG	
5	SIG	
6	0	
7	6.0	
8	SIG	

IC2001		
Pin No.	Voltage	Note
1	0	
2	2.1	
3	4.5	
4	PS	
5	NC	
6	NC	

TO SCHEMATIC

TO CONTENTS

IC4401

Pin No.	Voltage	Note
1	3.18	
2	3.10	
3	PS	
4	CLK	
5	PS	
6	PS	
7	0	
8	0.11	RGB-LED : Blue
	3.26	RGB-LED : Green
	3.25	RGB-LED : Amber
9	3.02	RGB-LED : Blue
	0.12	RGB-LED : Green
	2.46	RGB-LED : Amber
10	3.37	RGB-LED : Blue
	3.56	RGB-LED : Green
	0.31	RGB-LED : Amber

IC4402

Pin No.	Voltage	Note
1	3.10	
2	0	
3	0	
4	PS	

IC4601

Pin No.	Voltage	Note	Pin No.	Voltage	Note	Pin No.	Voltage	Note
1	PS		17	PS		33	PS	
2	PS		18	PS		34	PS	
3	PS		19	PS		35	PS	
4	PS		20	PS		36	PS	
5	PS		21	PS		37	3.15	
6	PS		22	PS		38	PS	
7	PS		23	PS		39	PS	
8	PS		24	PS		40	PS	
9	PS		25	PS		41	PS	
10	PS		26	PS		42	PS	
11	3.15		27	0		43	PS	
12	3.18		28	PS		44	PS	
13	0		29	PS		45	PS	
14	0		30	PS		46	0	
15	PS		31	PS		47	PS	
16	PS		32	PS		48	PS	

IC4602

Pin No.	Voltage	Note	Pin No.	Voltage	Note	Pin No.	Voltage	Note
1	PS		17	PS		33	PS	
2	PS		18	PS		34	PS	
3	PS		19	PS		35	PS	
4	PS		20	PS		36	PS	
5	PS		21	PS		37	3.15	
6	PS		22	PS		38	PS	
7	PS		23	PS		39	PS	
8	PS		24	PS		40	PS	
9	PS		25	PS		41	PS	
10	PS		26	PS		42	PS	
11	3.15		27	0		43	PS	
12	3.18		28	PS		44	PS	
13	0		29	PS		45	PS	
14	0		30	PS		46	0	
15	PS		31	PS		47	PS	
16	PS		32	PS		48	PS	

TO SCHEMATIC TO CONTENTS

IC4501								
Pin No.	Voltage	Note	Pin No.	Voltage	Note	Pin No.	Voltage	Note
1	3.18		49	NC		97	PS	
2	0		50	NC		98	PS	
3	NC		51	NC		99	PS	
4	NC		52	PS		100	PS	
5	3.18		53	NC		101	PS	
6	3.12		54	0		102	3.18	
7	3.12		55	3.18		103	0	
8	0		56	0		104	3.19	
9	3.18		57	3.16		105	PS	
10	2.56		58	NC		106	PS	
11	0		59	NC		107	PS	
12	CLK		60	NC		108	PS	
13	CLK		61	PS		109	PS	
14	3.22		62	PS		110	PS	
15	0		63	PS		111	PS	
16	NC		64	PS		112	PS	
17	3.17		65	PS		113	PS	
18	3.17		66	PS		114	PS	
19	PS		67	PS		115	PS	
20	0		68	PS		116	PS	
21	PS		69	PS		117	PS	
22	PS		70	PS		118	PS	
23	PS		71	PS		119	PS	
24	CLK		72	PS		120	PS	
25	PS		73	PS		121	PS	
26	3.17		74	PS		122	PS	
27	CLK		75	PS		123	PS	
28	PS		76	PS		124	PS	
29	3.01	RGB-LED : RED	77	0		125	PS	
30	3.01	ILM : A/R	78	NC		126	PS	
31	3.14	DIMMER OFF	79	3.18		127	PS	
32	3.14	DIMMER OFF	80	NC		128	NC	
33	0		81	NC		129	NC	
34	3.18		82	NC		130	PS	
35	PS		83	NC		131	PS	
36	PS		84	NC		132	PS	
37	3.02	ILM : B/W/G	85	3.15		133	PS	
38	3.02		86	CLK		134	PS	
39	0		87	NC		135	PS	
40	0		88	NC		136	PS	
41	0		89	NC		137	PS	
42	0		90	3.18		138	PS	
43	NC		91	NC		139	PS	
44	NC		92	NC		140	PS	
45	3.15		93	NC		141	PS	
46	NC		94	NC		142	PS	
47	NC		95	PS		143	PS	
48	NC		96	NC		144	PS	

TO SCHEMATIC

TO CONTENTS

IC4603								
Pin No.	Voltage	Note	Pin No.	Voltage	Note	Pin No.	Voltage	Note
1	3.15		23	NC		45	PS	
2	3.15		24	NC		46	PS	
3	CLK		25	NC		47	PS	
4	0		26	NC		48	1.83	
5	PS		27	NC		49	3.15	
6	PS		28	NC		50	PS	
7	NC		29	3.15		51	PS	
8	PS		30	0		52	PS	
9	NC		31	0		53	PS	
10	PS		32	1.83		54	PS	
11	NC		33	3.17		55	PS	
12	PS		34	3.15		56	0	
13	PS		35	CLK		57	PS	
14	PS		36	0		58	PS	
15	PS		37	0		59	PS	
16	1.83		38	PS		60	PS	
17	3.15		39	0		61	PS	
18	PS		40	PS		62	PS	
19	NC		41	3.15		63	PS	
20	PS		42	PS		64	1.83	
21	NC		43	PS				
22	PS		44	PS				

IC4801		
Pin No.	Voltage	Note
1	8.99	
2	0	
3	1.30	
4	5.00	
5	8.99	

IC4802		
Pin No.	Voltage	Note
1	3.18	
2	0	
3	1.30	
4	1.83	
5	3.18	

REF	No.	Voltage	Note
Q201	1	SIG/0	MUTE OFF/ON
	2	0/0	
	3	SIG/0	
	4	SIG/9.3	
	5	0/0	
	6	SIG/9.3	
Q202	1	SIG/0	MUTE OFF/ON
	2	0/0	
	3	SIG/0	
	4	SIG/9.3	
	5	0/0	
	6	SIG/9.3	
Q203	1	SIG/0	MUTE OFF/ON
	2	0/0	
	3	SIG/0	
	4	SIG/9.3	
	5	0/0	
	6	SIG/9.3	

REF	No.	Voltage	Note
Q205	B	3.3/0	MUTE OFF/ON
	C	0/3.1	
	E	0/0	
Q206	1	NC	MUTE OFF/ON
	2	0/14.2	
	3	14.3/14.3	
	4	0/3.1	
	5	0/0	
Q207	B	3.3/0	MUTE OFF/ON
	C	0/3.1	
	E	0/0	
Q208	1	NC	REAR MUTE OFF/ON
	2	0/14.2	
	3	14.2/14.2	
	4	0/3.1	
	5	0/0	

TO SCHEMATIC TO CONTENTS

REF	No.	Voltage	Note
Q501	B	3.3	
	C	0	
	E	0	
Q502	B	2.5	
	C	3.3	
	E	3.3	
Q503	B	16.7	
	C	17.5	
	E	17.5	
Q504	B	3.3	
	C	0	
	E	0	
Q505	B	3.3/0	UNIZON OPEN/CLOSE
	C	0/6.3	
	E	0/0	
Q601	B	4.9	
	C	0	
	E	4.9	
Q602	B	4.9	
	C	0	
	E	4.9	
Q701	1	NC	MOTOR ON
	2	14.4	
	3	14.4	
	4	3.3	
	5	0	
Q702	B	13.0	
	C	14.4	
	E	12.5	
Q703	B	13.0	
	C	14.4	
	E	12.5	
Q704	1	NC	
	2	PS	
	3	5.0	
	4	0	
	5	0	
Q705	B	3.3	
	C	0	
	E	3.3	
Q706	B	2.8	
	C	0	
	E	0	
Q707	B	4.2	
	C	4.9	
	E	5.0	
Q708	1	PS	
	2	PS	
	3	PS	
	4	PS	
	5	PS	
	6	PS	

REF	No.	Voltage	Note
Q709	1	NC	MOTOR FWD
	2	12.5	
	3	12.5	
	4	3.3	
	5	0	
Q710	1	NC	MOTOR REV
	2	12.5	
	3	12.5	
	4	3.3	
	5	0	
Q711	B	PS	
	C	PS	
	E	0	
Q800	1	NC	ACC ON
	2	3.3	
	3	3.3	
	4	3.3	
	5	0	
Q801	1	NC	
	2	14.4	
	3	14.4	
	4	3.3	
	5	0	
Q802	B	3.3	IN-INT
	C	0	
	E	3.3	
Q803	1	NC	
	2	3.3	
	3	3.3	
	4	2.6	
	5	0	
Q804	1	NC	ACC ON
	2	3.3	
	3	3.3	
	4	6.0	
	5	0	
Q805	B	0/14.4	DIMMER OFF/ON
	C	3.3/0	
	E	0	
Q806	B	14.2	
	C	0	
	E	14.2	
Q807	B	0	
	C	14.2	
	E	0	
Q808	B	13.9	
	C	14.2	
	E	14.2	

TO SCHEMATIC

TO CONTENTS

REF	No.	Voltage	Note
Q809	B	1.5	
	C	0.1	
	E	0	
Q812	1	PS	
	2	3.3	
	3	PS	
	4	PS	
	5	3.3	
	6	PS	
Q901	B	SIG	
	C	0	
	E	SIG	
Q902	B	SIG	
	C	0	
	E	SIG	
Q903	1	SIG/0	REAR-ENT OFF/ON
	2	0	
	3	SIG/0	
	4	SIG/9.3	
	5	0	
	6	SIG/9.3	
Q4401	1	NC	
	2	4.86	
	3	4.93	
	4	3.15	
	5	0	
Q4402	1	NC	
	2	4.93	
	3	5.00	
	4	3.15	
	5	0	
Q4403	B	0.84	RGB-LED : Red DIMMER OFF
	C	0.18	
	E	0.12	

REF	No.	Voltage	Note
Q4404	B	0.78	RGB-LED : Red DIMMER OFF
	C	0.12	
	E	0.06	
Q4405	B	0.76	RGB-LED : Red DIMMER OFF
	C	0.06	
	E	0	
Q4406	B	0.73	ILM : Amber DIMMER OFF
	C	0.05	
	E	0	
Q4407	B	0.73	ILM : Green DIMMER OFF
	C	0.05	
	E	0	
Q4408	B	0.72	
	C	0.03	
	E	0	
Q4409	B	3.14	
	C	0.04	
	E	0	
Q4601	B	3.12	
	C	0.06	
	E	0	
Q4602	B	2.43	
	C	3.16	
	E	3.18	
Q4603	B	3.12	
	C	0.05	
	E	0	
Q4604	B	16.82	
	C	17.5	
	E	17.56	

[Measuring Conditions]

1. Power Supply Voltage : DC14.4V
2. Measuring Meter : Digital Multimeter
3. Measuring Point Reference : Between GND
4. Measuring Condition : FM : 98.1MHz

TO SCHEMATIC TO CONTENTS

(DVD Deck Mechanism)

IC601									
1	-	53	3.3	105	0	157	0	209	3.28
2	-	54	0	106	1.7	158	0	210	-
3	0	55	3.3	107	3.3	159	3.32	211	-
4	-	56	3.3	108	2.32	160	0	212	-
5	-	57	3.3	109	1.78	161	3.26	213	0
6	3.3	58	3.3	110	1.78	162	0	214	3.28
7	-	59	3.3	111	1.78	163	1.56	215	3.28
8	-	60	3.32	112	1.62	164	0	216	3.28
9	0	61	3.3	113	1.62	165	1.36	217	-
10	-	62	3.3	114	0	166	1.76	218	0
11	-	63	0	115	0	167	3.28	219	1.12
12	3.28	64	0	116	1.6	168	0	220	-
13	-	65	3.3	117	0	169	1.6	221	-
14	-	66	3.3	118	3.32	170	1.58	222	0
15	-	67	3.3	119	1.84	171	0	223	-
16	0	68	3.3	120	1.58	172	1	224	-
17	-	69	3.3	121	1.36	173	0	225	3.34
18	-	70	0	122	0	174	0	226	-
19	3.26	71	3.28	123	0	175	0	227	-
20	0	72	3.28	124	0	176	0	228	-
21	-	73	3.3	125	0	177	3.3	229	0
22	3.28	74	0	126	0	178	3.24	230	-
23	-	75	1.6	127	2.16	179	0	231	3.28
24	-	76	1.6	128	1.6	180	3.28	232	0
25	-	77	1.6	129	2.12	181	0	233	-
26	1.02	78	1.6	130	2.12	182	3.3	234	0
27	-	79	0	131	2.14	183	0	235	0
28	3.28	80	0	132	2.14	184	0	236	1.12
29	0	81	3.28	133	2.16	185	0	237	-
30	-	82	0	134	2.14	186	0	238	-
31	-	83	1.62	135	2.16	187	0	239	3.26
32	-	84	3.28	136	2.16	188	0	240	2.82
33	-	85	3.22	137	2.16	189	0	241	1.6
34	3.28	86	3.28	138	2.16	190	3.28	242	0
35	0	87	0	139	2.16	191	0	243	1.56
36	-	88	0	140	1.48	192	-	244	3.26
37	-	89	1.02	141	3.28	193	-	245	3.26
38	3.3	90	0	142	1.12	194	-	246	0
39	-	91	0	143	1.86	195	-	247	3.24
40	-	92	0	144	2.06	196	3.28	248	3.28
41	-	93	0	145	0	197	-	249	0
42	-	94	0	146	1.1	198	-	250	3.32
43	-	95	0	147	1.6	199	-	251	-
44	1.06	96	0	148	1.58	200	-	252	0
45	-	97	0	149	0	201	0	253	-
46	-	98	3.26	150	3.28	202	3.28	254	-
47	-	99	0.9	151	0	203	-	255	3.28
48	3.28	100	0	152	0	204	-	256	-
49	0	101	2.32	153	0.9	205	0		
50	-	102	2	154	0.82	206	-		
51	-	103	1.78	155	2.26	207	-		
52	3.3	104	0	156	0	208	-		

TO SCHEMATIC

TO CONTENTS

IC511			
1	3.21	4	3.21
2	3.22	5	3.22
3	0		

IC512			
1	0	5	3.22
2	0	6	3.22
3	0	7	3.22
4	0	8	3.22

IC711			
1	0	11	0.5
2	-	12	-
3	-	13	-
4	-	14	-
5	-	15	-
6	-	16	-
7	-	17	-
8	-	18	-
9	-	19	-
10	0	20	3.3

IC712			
1	0	11	0.5
2	-	12	-
3	-	13	-
4	-	14	-
5	-	15	-
6	-	16	-
7	-	17	-
8	-	18	-
9	-	19	-
10	0	20	3.26

IC713			
1	-	4	-
2	3.22	5	3.22
3	0		

IC721					
1	-	17	-	33	-
2	-	18	-	34	-
3	-	19	-	35	-
4	-	20	-	36	-
5	-	21	-	37	3.3
6	-	22	-	38	-
7	-	23	-	39	-
8	-	24	-	40	-
9	-	25	-	41	-
10	-	26	3.3	42	-
11	3.26	27	0	43	-
12	3.26	28	3.3	44	-
13	0	29	-	45	-
14	0	30	-	46	0
15	0	31	-	47	3.28
16	-	32	-	48	-

IC725					
1	-	11	-	21	-
2	-	12	-	22	1.88
3	-	13	-	23	-
4	-	14	0	24	-
5	-	15	-	25	-
6	-	16	-	26	-
7	-	17	-	27	3.27
8	-	18	-	28	3.24
9	-	19	-		
10	-	20	3.26		

TO SCHEMATIC

TO CONTENTS

IC731									
1	3.24	19	3.26	37	-	55	3.28	73	0
2	-	20	3.26	38	0	56	-	74	-
3	3.24	21	0	39	-	57	0	75	0
4	-	22	0	40	-	58	0	76	-
5	-	23	0	41	3.28	59	3.28	77	-
6	0	24	0	42	-	60	-	78	0
7	-	25	0	43	3.26	61	-	79	-
8	-	26	0	44	0	62	-	80	-
9	3.28	27	0	45	-	63	-	81	3.3
10	-	28	3.26	46	0	64	-	82	-
11	-	29	3.26	47	-	65	-	83	-
12	0	30	0	48	-	66	-	84	0
13	-	31	-	49	3.28	67	3.3	85	-
14	0	32	0	50	-	68	1.62	86	0
15	3.28	33	-	51	-	69	0		
16	3.26	34	-	52	0	70	0		
17	3.3	35	3.28	53	-	71	3.3		
18	3.26	36	-	54	-	72	0		

IC861									
1	5.12	12	0	23	0	34	0	45	0
2	5.12	13	0	24	1.56	35	0	46	0
3	5.12	14	0	25	0	36	0	47	0
4	5.12	15	0	26	1.56	37	0	48	0
5	5.12	16	0	27	1.6	38	0	49	1.0
6	5.12	17	0	28	1.6	39	0	50	1.04
7	5.14	18	0	29	1.6	40	0	51	7.14
8	0	19	7.14	30	7.12	41	0	52	1.58
9	0	20	7.12	31	7.12	42	0	53	1.52
10	7.2	21	3.32	32	7.12	43	0	54	5.1
11	0	22	0	33	0	44	7.1		

	E	B	C
Q801	0	0	5.0
Q802	5.0	5.0	0
Q811	0	0	5.0
Q812	5.0	5.0	0
Q831	0	0	2.7
Q832	0	0	0
Q833	0	2.7	0
Q911	1.04	0.31	0
Q921	0.67	0	0

Q810	
1	5.0
2	0
3	5.0
4	0
5	0

[Measuring Conditions]
1. Power Supply Voltage : 5.0V / 7.0V
2. Measuring Meter : Digital Oscilloscope
3. Measuring Point Reference : Between GND
4. Measuring Condition : DVD-MECH simple substance
: Power supply ON state

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Description of IC Terminal

D70F3266YGJ : IC501

No.	Symbol	I/O	Terminal Description
1	AVREF0	-	Standard voltage input terminal of A/D Converter.
2	AVSS	-	GND terminal of A/D, D/A Converter.
3	NC	-	No connect terminal.
4			
5	AVREF1	-	Standard voltage input terminal of D/A Converter.
6	NC	-	No connect terminal.
7			
8	IC/FLMD0	-	Power supply terminal of FLASH programming.
9	VDD	-	Power supply terminal.
10	REGC	-	Capacitor connect terminal for Regulator.
11	VSS	-	GND connect terminal.
12	X1(Main CLK)	I	Crystal connect terminal for main system clock OSC.
13	X2(Main CLK)	-	
14	RESET	I	System reset input terminal.
15	NC	-	No connect terminal.
16			
17	NMI(PULL-UP)	-	Pull-up connect terminal.
18	BATT-DET	I	Battery voltage detection signal input terminal.
19	ACC-DET	I	ACC voltage detection signal input terminal.
20	DRST	I	OnChip debugging mode reset input terminal.
21	AI-INT	I	AI-NET Interruption demand signal input terminal.
22	TUNER-SDA	I/O	I2C-Bus Serial DATA input/output terminal to TUNER F/E TEF6721.
23	TUNER-SCL	O	I2C-Bus Serial CLOCK output terminal to TUNER F/E TEF6721.
24	NC	-	No connect terminal.
25	AI-SOUT	O	AI-NET Pulse signal output terminal for serial communication.
26	AI-SIN	I	AI-NET Pulse signal input terminal for serial communication.
27	AI-SCLK	O	Pulse signal output terminal for AI-NET serial communications.
28	AI-RS	O	AI-NET register selection signal output terminal.
29	AI-RW	O	AI-NET read / write selection signal output terminal.
30	AI-RESET	O	AI-NET BUS-IC RESET signal output terminal.
31	AI+B-CONT	O	AI-NET Power supply control signal output terminal.
32	NC	-	No connect terminal.
33	EVSS	-	GND connect terminal.
34	EVDD	-	Power supply terminal.
35	I2C-SDA	I/O	I2C Bus serial data signal input/output terminal of CDSP SAF7730 / PWR-SUPPLY L5952 / EEPROM BR24L16 / Analog-Proc TDA7501.
36	I2C-SCL	O	I2C Bus serial clock signal output terminal to CDSP SAF7730 / PWR-SUPPLY L5952 / EEPROM BR24L16 / Analog-Proc TDA7501.
37	DAVN	I	DAVN input terminal from SAF7730.
38	NC	-	No connect terminal.
39	DDI	I	OnChip debugging data input terminal.
40	DDO	O	OnChip debugging data output terminal.
41	DCK	I	OnChip debugging clock input terminal.
42	DMS	I	OnChip debugging mode selection signal input terminal.
43	DSP-SPDIF_ON	O	DVD SPDIF output DSP IN selection terminal.
44	2WAY/3WAY	I	Switching input terminal of 2way/3way. (Hi : 3WAY , Lo : 2WAY)

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No.	Symbol	I/O	Terminal Description
45	OPT/RP-ON	O	DVD SPDIF output OPT/RIPPING selection output terminal.
46	NC	-	No connect terminal.
47	FRONT-START	O	MAIN/FRONT u-COM communication START signal output terminal.
48	FRONT-RESET	O	FRONT u-COM RESET output terminal.
49	FRONT-DIN	I	MAIN/FRONT u-COM communication DATA signal input terminal.
50	FRONT-DOUT	O	MAIN/FRONT u-COM communication DATA signal output terminal.
51	FRONT-CLK	I	MAIN/FRONT u-COM communication CLOCK signal input terminal.
52	NOSE PWR	O	FRONT power supply ON/OFF control signal output terminal.
53	OELD_VHH-CONT	O	OELD VHH contorl output terminal.
54	LED+B_CONT	O	FRONT LED contorl output terminal.
55	ST-REM_IN	I	Steering remote control DATA input terminal.
56	SYSREG-RESET	O	RESET signal output terminal to system Regulator L5952.
57	DSP_RESET	O	Reset signal output terminal to CDSP SAF7730.
58	NC	-	No connect terminal.
59	RDS_MONI-R	I	RDS Monitor terminal for functional evaluation check.
60	RDS_MONI-T	O	
61	OEM-SDA	I/O	OEM SUB DISP I2C DATA input/output signal terminal.
62	OEM-SCL	O	OEM SUB DISP I2C CLOCK signal output terminal.
63	NC	-	No connect terminal.
64	REAR-REM_IN	I	Rear remote control DATA input terminal. (REAR ENTER Only)
65	FRONT-REM_IN (TOUCH)	I	Front remote control DATA input terminal. (TOUCH Only)
66	NC	-	No connect terminal.
I			
70			
71	DVD-STS	I	SERIAL DATA (status) input signal terminal with DVD-MECH. (EPFIII communication)
72	DVD-CMD	O	SERIAL DATA (status) output signal terminal with DVD-MECH. (EPFIII communication)
73	DVD-SCK	O	SERIAL communication synchronous clock output signal terminal with DVD-MECH. (EPFIII communication)
74	DVD-SRQ	I	Status demand input signal terminal from DVD-MECH.
75	REAR-TOUCH-DET	I	Rear monitor Detect signal input terminal for rear touch panel.
76	FRONT-TOUCH-DET	I	Rear monitor Detect signal input terminal for front touch panel.
77	DVD-CS	O	Chip selection signal output terminal to DVD-MECH.
78	DVD-RESET	O	System reset signal output terminal to DVD-MECH.
79	DVD-EJECT	O	Compulsory EJECT output terminal to DVD-MECH.
80	DVD-SW1	I	DVD-MECH DISC insertion detection-1 input terminal.
81	DVD-SW2	I	DVD-MECH DISC insertion detection-2 input terminal.
82	V-MUTE_IN	I	V-MUTE signal input terminal from DVD-MECH.
83	M-MUTE_IN	I	MUTE signal input terminal from DVD-MECH.
84	NC	-	No connect terminal.
85	DAC_IN_MUTE	I	AUDIO MUTE signal input terminal from DAC1742.
86	NC	-	No connect terminal.
87			
88	DOOR_LED	O	ON/OFF control signal output terminal of DISC insertion entrance lighting LED.
89	LIMIT_SW1(OPEN)	I	OPEN LIMIT SW signal input terminal.
90	LIMIT_SW2(CLOSE)	I	CLOSE LIMIT SW signal input terminal.
91	MOTOR-REV	O	Unizon MOTOR backward driving signal output terminal.
92	MOTOR-FWD	O	Unizon MOTOR forward driving signal output terminal.

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No.	Symbol	I/O	Terminal Description
93	MOTOR_ON	O	Power supply control terminal for unizon MOTOR.
94	NC	-	No connect terminal.
95	9803_A1	O	Phrase A1 output terminal to IC MSM9803.
96	9803_A0	O	Phrase A0 output terminal to IC MSM9803.
97	9803_SW0	O	Phrase SW0 output terminal to IC MSM9803.
98	9803_SW1	O	Phrase SW1 output terminal to IC MSM9803.
99	9803_SW2	O	Phrase SW2 output terminal to IC MSM9803.
100	$\overline{\text{9803\_RESET}}$	O	RESET signal output terminal to IC MSM9803.
101	$\overline{\text{9803\_BUSY}}$	I	BUSY signal input terminal from IC MSM9803.
102	NC	-	No connect terminal.
103	BVSS	-	GND connect terminal.
104	BVDD	-	Power supply terminal.
105	DAC-M_LATCH	O	Latch control output terminal to DAC1742.
106	DAC-M_DATA	O	DATA control output terminal to DAC1742.
107	DAC-M_CLK	O	CLOCK control output terminal to DAC1742.
108	NC	-	No connect terminal.
109			
110	FLMD1(PULL-DOWN)	-	Pull-down connect terminal.
111	$\overline{\text{A-MUTE}}$	O	A-MUTE control output terminal .
112	$\overline{\text{REAR-A-MUTE}}$	O	REAR ENTER Audio(DAC1742) control output terminal .
113	$\overline{\text{V-MUTE}}$	O	V-MUTE control output terminal .
114	NC	-	No connect terminal.
115	DVD7V_CONT	O	DVD SAVO power supply(+7V) control output terminal .
116	AUDIO+B_CONT	O	AUDIO control output terminal . (12V power supply of TDA7501 On-control terminal)
117	PWR_CONT	O	RWR ON control output terminal . (External power supply box control)
118	DVD1.2V_CONT	O	DVD+1.2V power supply control output terminal.
119	DVD3.3V_CONT	O	DVD+3.3V power supply control output terminal.
120	DVD5V_CONT	O	DVD SAVO+5V power supply control output terminal.
121	DSP+B_CONT	O	DSP SAF7730 Power supply control output terminal.
122	NC	-	No connect terminal.
123	OPT-ON	O	OPT selection output terminal.
124	NC	-	No connect terminal.
125	T/DVD SPDIF-CONT	O	OPT output TUNER/DVD selection source switch output terminal. (H : TUNER MODE , L : DVD MODE)
126	NC	-	No connect terminal.
127	P-ANT/OUT_REM	O	TUNER power antenna output terminal. / External AMP (OUT remote) control output terminal.
128	NC	-	No connect terminal.
129			
130	$\overline{\text{DIMMER-IN}}$	I	DIMMER signal input terminal.
131	IN_INT	I	IN-INT output terminal.
132	NC	-	No connect terminal.
I			
135			
136	AREA1	I	Destination setting input terminal-1.
137	AREA2	I	Destination setting input terminal-2.
138	NC	-	No connect terminal.
139	NOSE_DET	I	NOSE detachable detection terminal.
140	NC	-	No connect terminal.

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No.	Symbol	I/O	Terminal Description
141	HI-TEMP	I	HI-TEMP signal input terminal.
142	NC	-	No connect terminal.
I			
144			

D70F3266YGJ : IC4501

No.	Symbol	I/O	Terminal Description
1	AVREF0	-	Standard voltage input terminal of A/D Converter.
2	AVSS	-	GND terminal of A/D,D/A Converter.
3	NC	-	No connect terminal.
4			
5	AVREF1	-	Standard voltage input terminal of D/A Converter.
6	VDD3_3-CONT	O	VDD+3.3V power supply control terminal .
7	VHH-CONT	O	OELD VHH contorl output terminal.
8	IC/FLMD0	-	Power supply terminal for FLASH memory programming mode.
9	VDD	-	Power supply terminal.
10	REGC	-	Capacitor connect terminal for Regulator.
11	GND	-	GND connect terminal.
12	Main CLK(X1)	I	Crystal connect terminal for main system clock OSC. (5MHz)
13	Main CLK(X2)	-	
14	$\overline{\text{RESET}}$	I	System reset input terminal.
15	Sub CLK(X1) (PULL-DOWN)	-	Pull-down connect terminal.
16	Sub CLK(X2) (NC)	-	No connect terminal.
17	NMI(PULL-UP)	-	Pull-up connect terminal.
18	X-INT	I	Vertical synchronized signal input terminal.
19	FRONT-START	I	MAIN/FRONT u-COM communication START signal input terminal.
20	$\overline{\text{DRST}}$	I	OnChip debugging mode reset input terminal.
21	LPA	I	Horizontal synchronized signal input terminal.
22	FRONT-SI	I	MAIN/FRONT u-COM communication DATA signal input terminal. (3 line serial)
23	FRONT-SO	O	MAIN/FRONT u-COM communication DATA signal output terminal. (3 line serial)
24	FRONT-CLK	O	Communication synchronization CLOCK output terminal to MAIN u-COM.
25	RGB DATA	O	RGB SERIAL DATA output terminal.
26	RGB /RST	O	RGB RESET output terminal.
27	RGB CLK	O	RGB SERIAL CLOCK output terminal.
28	RGB CS	O	RGB Tip selection output terminal.
29	RED-LED	O	Lighting control terminal to around RGB RED.
30	A/R-CONT	O	RED lighting control terminal.
31	DIMMER-OUT1	O	DIMMER level control output terminal.
32	DIMMER-OUT2	O	DIMMER level control output terminal.
33	EVSS	-	GND connect terminal.
34	EVDD	-	Power supply terminal.
35	ENCODER1	I	Encoder volume (+) direction control input terminal.
36	ENCODER2	I	Encoder volume (-) direction control input terminal.
37	B/W/G-CONT	O	WHITE lighting control terminal.
38	SLIDER CONT	O	SLIDER LED (WHITE) control terminal.
39	DDI	I	OnChip debugging DDI signal input terminal.

TO SCHEMATIC TO CONTENTS

No.	Symbol	I/O	Terminal Description
40	DDO	O	OnChip debugging DDO signal output terminal.
41	DCK	I	OnChip debugging DCK signal input terminal.
42	DMS	I	OnChip debugging DMS signal input terminal.
43	NC	-	No connect terminal.
44			
45	PWR-IND	O	Power supply indicator terminal . (RED-LED)
46	NC	-	No connect terminal.
I			
51			
52	REMOCON DATA	I	REMOTE CONTROL input terminal.
53	NC	-	No connect terminal.
54	ALL-H	O	OELD display control output terminal.
55	IADJ	O	OELD DIMMER control DATA output terminal.
56	I-CLK	O	OELD DIMMER control CLK output terminal.
57	$\overline{\text{DRIV-RESET}}$	O	OELD DRIVER RESET terminal.
58	NC	-	No connect terminal.
I			
60			
61	XA0	O	OELD control low position byte enable terminal.
62	A0/XBHE	O	External ROM address port A0 terminal. / OELD control high position byte enable terminal.
63	A1/RS	O	External ROM address port A1 termina. / OELD control command dtata selection terminal.
64	A2	O	External ROM address port A2 terminal.
65	A3	O	External ROM address port A3 terminal.
66	A4	O	External ROM address port A4 terminal.
67	A5	O	External ROM address port A5 terminal.
68	A6	O	External ROM address port A6 terminal.
69	A7	O	External ROM address port A7 terminal.
70	A8	O	External ROM address port A8 terminal.
71	A9	O	External ROM address port A9 terminal.
72	A10	O	External ROM address port A10 terminal.
73	A11	O	External ROM address port A11 terminal.
74	A12	O	External ROM address port A12 terminal.
75	A13	O	External ROM address port A13 terminal.
76	A14	O	External ROM address port A14 terminal.
77	DEBUG(PULL-DOWN)	-	Pull-down connect terminal.
78	NC	-	No connect terminal.
79	$\overline{\text{CONT-RESET}}$	O	OELD controller RESET terminal.
80	NC	-	No connect terminal.
I			
84			
85	$\overline{\text{WAIT}}$	I	WAIT input terminal from OELD controller.
86	CLKOUT	O	CLK output terminal to OELD controller.
87	NC	-	No connect terminal.
I			
89			
90	OELD1_8-CONT	O	OELD controller IC +1.8V power supply control terminal.

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No.	Symbol	I/O	Terminal Description
91 I 94	NC	-	No connect terminal.
95	$\overline{\text{WR0}}$	O	Light strobe terminaL to OELD controller.
96	NC	-	No connect terminal.
97	$\overline{\text{ROM2-BE0}}$	O	BE0 Select control terminal of 128Mbit ROM-2.
98	$\overline{\text{ROM2-BE1}}$	O	BE1 Select control terminal of 128Mbit ROM-2.
99	$\overline{\text{RD}}(\overline{\text{OE}})$	O	External ROM Output enable terminal.
100	$\overline{\text{ROM1-BE0}}$	O	BE0 Select control terminal of 128Mbit ROM-1.
101	$\overline{\text{ROM1-BE1}}$	O	BE1 Select control terminal of 128Mbit ROM-1.
102	$\overline{\text{ROM-RESET}}$	O	External ROM RESET terminal.
103	BVSS	-	GND connect terminal.
104	BVDD	-	Power supply terminal.
105	AD0	O	External ROM/OELD control data port D0 terminal.
106	AD1	O	External ROM/OELD control data port D1 terminal.
107	AD2	O	External ROM/OELD control data port D2 terminal.
108	AD3	O	External ROM/OELD control data port D3 terminal.
109	AD4	O	External ROM/OELD control data port D4 terminal.
110	AD5	O	External ROM/OELD control data port D5 terminal.
111	AD6	O	External ROM/OELD control data port D6 terminal.
112	AD7	O	External ROM/OELD control data port D7 terminal.
113	AD8	O	External ROM/OELD control data port D8 terminal.
114	AD9	O	External ROM/OELD control data port D9 terminal.
115	AD10	O	External ROM/OELD control data port D10 terminal.
116	AD11	O	External ROM/OELD control data port D11 terminal.
117	AD12	O	External ROM/OELD control data port D12 terminal.
118	AD13	O	External ROM/OELD control data port D13 terminal.
119	AD14	O	External ROM/OELD control data port D14 terminal.
120	AD15	O	External ROM/OELD control data port D15 terminal.
121	A15/XCS	O	External ROM address port A15 terminal. / OELD control Chip selection terminal.
122	A16	O	External ROM address port A16 terminal.
123	A17	O	External ROM address port A17 terminal.
124	A18	O	External ROM address port A18 terminal.
125	A19	O	External ROM address port A19 terminal.
126	A20	O	External ROM address port A20 terminal.
127	A21	O	External ROM address port A21 terminal.
128	NC	-	No connect terminal.
129			
130	SR1	I	Touch Sensor input terminal of slider.
131	SR2		
132	SR3		
133	SR4		
134	SR5		
135	SR6		
136	SR7	I	Fixation input terminal of slider.
137	KEY-SCAN1	O	KEY matrix scan terminal-1. (PLAY/PAUSE , SOURCE/POWER , BWD , MENU)
138	KEY-SCAN2	O	KEY matrix scan terminal-2. (TA , BAND , FWD , FOLDER , ENCODER)
139	KEY-SCAN3	O	KEY matrix scan terminal-3. (TITLE , UP , DWN , EJECT)

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No.	Symbol	I/O	Terminal Description
140	KEY-IN5	I	KEY input terminal-5. (PLAY/PAUSE , TA , TITLE)
141	KEY-IN4	I	KEY input terminal-4. (SOURCE/POWER , BAND , UP)
142	KEY-IN3	I	KEY input terminal-3. (BWD , FWD , DWN)
143	KEY-IN2	I	KEY input terminal-2. (MENU , FOLDER , EJECT)
144	KEY-IN1	I	KEY input terminal-1. (ENCODER)

MN35207UB : IC601 (DV37M150)

No.	Symbol	I/O	Terminal Description
1	MDQ9	I/O	SDRAM data 9 terminal.
2	MDQ5	I/O	SDRAM data 5 terminal.
3	VSS	-	GND terminal.
4	MDQ10	I/O	SDRAM data 10 terminal.
5	MDQ4	I/O	SDRAM data 4 terminal.
6	VDD33	-	I/O power supply terminal.
7	MDQ11	I/O	SDRAM data 11 terminal.
8	MDQ3	I/O	SDRAM data 3 terminal.
9	VSS	-	GND terminal.
10	MDQ12	I/O	SDRAM data 12 terminal.
11	MDQ2	I/O	SDRAM data 2 terminal.
12	VDD33	-	I/O power supply terminal.
13	MDQ13	I/O	SDRAM data 13 terminal.
14	MDQ1	I/O	SDRAM data 1 terminal.
15	MDQ14	I/O	SDRAM data 14 terminal.
16	VSS	-	GND terminal.
17	MDQ0	I/O	SDRAM data 0 terminal.
18	MDQ15	I/O	SDRAM data 15 terminal.
19	VDD33	-	I/O power supply terminal.
20	VSS	-	GND terminal.
21	EXADR20	I/O	External memory address 20 terminal.
22	NEXWE	O	External memory write enable output terminal.
23	EXADT0	I/O	External memory address data 0 terminal.
24	EXADT4	I/O	External memory address data 4 terminal.
25	EXADT8	I/O	External memory address data 8 terminal.
26	VDD12	-	Logic power supply terminal.
27	EXADT12	I/O	External memory address data 12 terminal.
28	VDD33	-	I/O power supply terminal.
29	VSS	-	GND terminal.
30	EXADR16	I/O	External memory address 16 terminal.
31	EXADR18	I/O	External memory address 18 terminal.
32	EXADT14	I/O	External memory address data 14 terminal.
33	EXADT10	I/O	External memory address data 10 terminal.
34	VDD33	-	I/O power supply terminal.
35	VSS	-	GND terminal.
36	EXADT6	I/O	External memory address data 6 terminal.
37	EXADT2	I/O	External memory address data 2 terminal.
38	NEXCE	O	External memory chip select output terminal.
39	EXADT1	I/O	External memory address data 1 terminal.

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No.	Symbol	I/O	Terminal Description
40	EXADT5	I/O	External memory address data 5 terminal.
41	EXADT9	I/O	External memory address data 9 terminal.
42	EXADT13	I/O	External memory address data 13 terminal.
43	EXADR17	I/O	External memory address 17 terminal.
44	VDD12	-	Logic power supply terminal.
45	EXADR19	I/O	External memory address 19 terminal.
46	EXADT15	I/O	External memory address data 15 terminal.
47	EXADT11	I/O	External memory address data 11 terminal.
48	VDD33	-	I/O power supply terminal.
49	VSS	-	GND terminal.
50	EXADT7	I/O	External memory address data 7 terminal.
51	EXADT3	I/O	External memory address data 3 terminal.
52	NEXOE	O	External memory output enable terminal.
53	P15	I	FRAME detection input terminal.
54	P14(PULL-DOWN)	-	Pull-down connect terminal.
55	P13	I	EJECT input terminal.
56	P12	I	MECHA_SW5 input terminal.
57	P11(PULL-UP)	-	Pull-up connect terminal.
58	P10(PULL-UP)		
59	P9	I	MECHA_SW4 input terminal.
60	P8	I	MECHA_SW3 input terminal.
61	P7	I	MECHA_SW2 input terminal.
62	VDD33	-	I/O power supply terminal.
63	MMOD	I	Test mode setting terminal.
64	VSS	-	GND terminal.
65	P6	I	MECHA_SW1 input terminal.
66	P5	O	K_SRQ output terminal.
67	P4	I	K_S_CS input terminal.
68	P3	I	K_S_CLK input terminal.
69	P2	O	K_S_Data output terminal.
70	P1	I	K_S_Data input terminal.
71	P0	O	SRAM chip select output terminal.
72	FG	I	Motor Frequency Generator input terminal.
73	NRST	I	Master reset input terminal.
74	VSS	-	GND terminal.
75	DRV0(NC)	-	No connect terminal.
76	DRV1	O	Spindle driver control output terminal.
77	DRV2	O	Sled motor driver-A output terminal.
78	DRV3	O	Sled motor driver-B output terminal.
79	DRV4(Reserved)	O	Driver logic control output-1 terminal.
80	DRV5	O	Driver logic control output-2 terminal.
81	DRV6	I	LIMIT SW input terminal.
82	DRV7	O	VR control output terminal.
83	DRV8	O	Loading driver output terminal.
84	VDD33	-	I/O power supply terminal.
85	P16	O	V_Mute output terminal.
86	P17(PULL-UP)	-	Pull-up connect terminal.
87	VSS	-	GND terminal.

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No.	Symbol	I/O	Terminal Description
88	MONI7(NC)	-	No connect terminal.
89	VDD12	-	Logic power supply terminal.
90	MONI6(NC)	-	No connect terminal.
91	MONI5(NC)		
92	MONI4(NC)		
93	VSS	-	GND terminal.
94	MONI3(NC)	-	No connect terminal.
95	MONI2(NC)		
96	MONI1(NC)	-	No connect terminal.
97	MONI0(NC)		
98	AVDDD	-	Analog power supply terminal.
99	PLFIL1	O	Capacitor connect terminal for DRCVCO.
100	AVSSD	-	Analog GND terminal.
101	VREFH7	O	ADC reference voltage terminal for DRC. (TOP)
102	VREFM7	O	ADC reference voltage terminal for DRC. (MDL)
103	VREFL7	O	ADC reference voltage terminal for DRC. (BTM)
104	CCAPA	O	Capacitor connect terminal for INLINE CAPA.
105	AVSSC	-	Analog GND terminal.
106	CDATA	O	Capacitor connect terminal for INLINE DATA.
107	AVDDC	-	Analog power supply terminal.
108	ANAMONI1	O	Internal analog monitor 1 terminal.
109	ANAMONI2	O	Internal analog monitor 2 terminal.
110	RFINN	I	External RF input (-) terminal.
111	RFINP	I	External RF input (+) terminal.
112	VIN6RF	I	RF input 6 terminal.
113	VIN5RF	I	RF input 5 terminal.
114	VIN4RF	I	RF input 4 terminal.
115	VIN3RF	I	RF input 3 terminal.
116	VIN2RF	I	RF input 2 terminal.
117	VIN1RF	I	RF input 1 terminal.
118	AVDDB	-	Analog power supply terminal.
119	VREFH5	I	5 bit AD reference voltage H terminal
120	VREFM5	I	5 bit AD reference voltage M terminal
121	VREFL5	I	5 bit AD reference voltage L terminal
122	AVSSB	-	Analog GND terminal.
123	LPC1	I	DVD LPC input terminal.
124	LPCO1	O	DVD LPC output terminal.
125	LPC2	I	CD LPC input terminal.
126	LPCO2	O	CD LPC output terminal.
127	VREFH	O	Decoupling terminal of reference voltage 2.20V. / Reference power supply terminal to Pickup.
128	VHALF	O	Decoupling terminal of reference voltage 1.65V.
129	VIN10	I	CD head input terminal.
130	VIN9		
131	VIN8	I	DVD head input terminal.
132	VIN7		
133	VIN6	I	CD head input terminal.
134	VIN5		

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No.	Symbol	I/O	Terminal Description
135	VIN4	I	DVD head input terminal.
136	VIN3		
137	VIN2		
138	VIN1		
139	AD2(NC)	-	No connect terminal.
140	AD1	I	TEMP_H input terminal.
141	AVDDH	-	Analog power supply terminal.
142	VREFL10	O	AD self bias reference terminal. (Low side)
143	AD0	I	TEMP_L input terminal.
144	VREFH10	O	AD self bias reference terminal. (Hi side)
145	AVSSH	-	Analog GND terminal.
146	VCOF(NC)	-	No connect terminal.
147	PWM1	O	Tracking drive output terminal.
148	PWM0	O	Focus drive output terminal.
149	DAC1OUT(NC)	-	No connect terminal.
150	AVDDF	-	Power supply terminal for DAC.
151	DAC2OUT(NC)	-	No connect terminal.
152	DAC3OUT(NC)		
153	VREF	I	Internal DAC reference voltage terminal.
154	IREF1	I	Resistor connect terminal for internal DAC bias current setup.
155	COMP	I	Capacitor connect terminal for internal DAC stable.
156	DAC4OUT	O	Y(brightness) / Comp(composite) analog signal terminal.
157	AVSSF	-	GND terminal for DAC.
158	DAC5OUT	O	C(color) analog signal terminal.
159	AVDDE	-	Power supply terminal for PLL.
160	AVSSE	-	GND terminal for PLL.
161	AVDDG	-	Power supply terminal for PLL.
162	AVSSG	-	GND terminal for PLL.
163	DACCK	O	Master clock output terminal.
164	VSS	-	GND terminal.
165	OSC1	I	OSC input terminal. (27MHz)
166	OSC0(NC)	-	No connect terminal.
167	VDD33	-	I/O power supply terminal.
168	EXTCK(PULL-DOWN)	-	Pull-down connect terminal.
169	LRCK	O	LR channel clock output terminal.
170	SRCK	O	Bit clock output terminal.
171	ADOUT3(NC)	-	No connect terminal.
172	VDD12	-	Logic power supply terminal.
173	VSS	-	GND terminal.
174	ADOUT2(NC)	-	No connect terminal.
175	ADOUT1(NC)		
176	ADOUT0	O	Audio Data 0 output terminal.
177	IECOUT	O	SPDIF output terminal.
178	VDD33	-	I/O power supply terminal.
179	VSS	-	GND terminal.
180	SCLOCK(PULL-UP)	-	Pull-up connect terminal.
181	EXTRG0(PULL-DOWN)	-	Pull-down connect terminal.
182	SDATA(PULL-UP)	-	Pull-up connect terminal.

TO SCHEMATIC TO CONTENTS

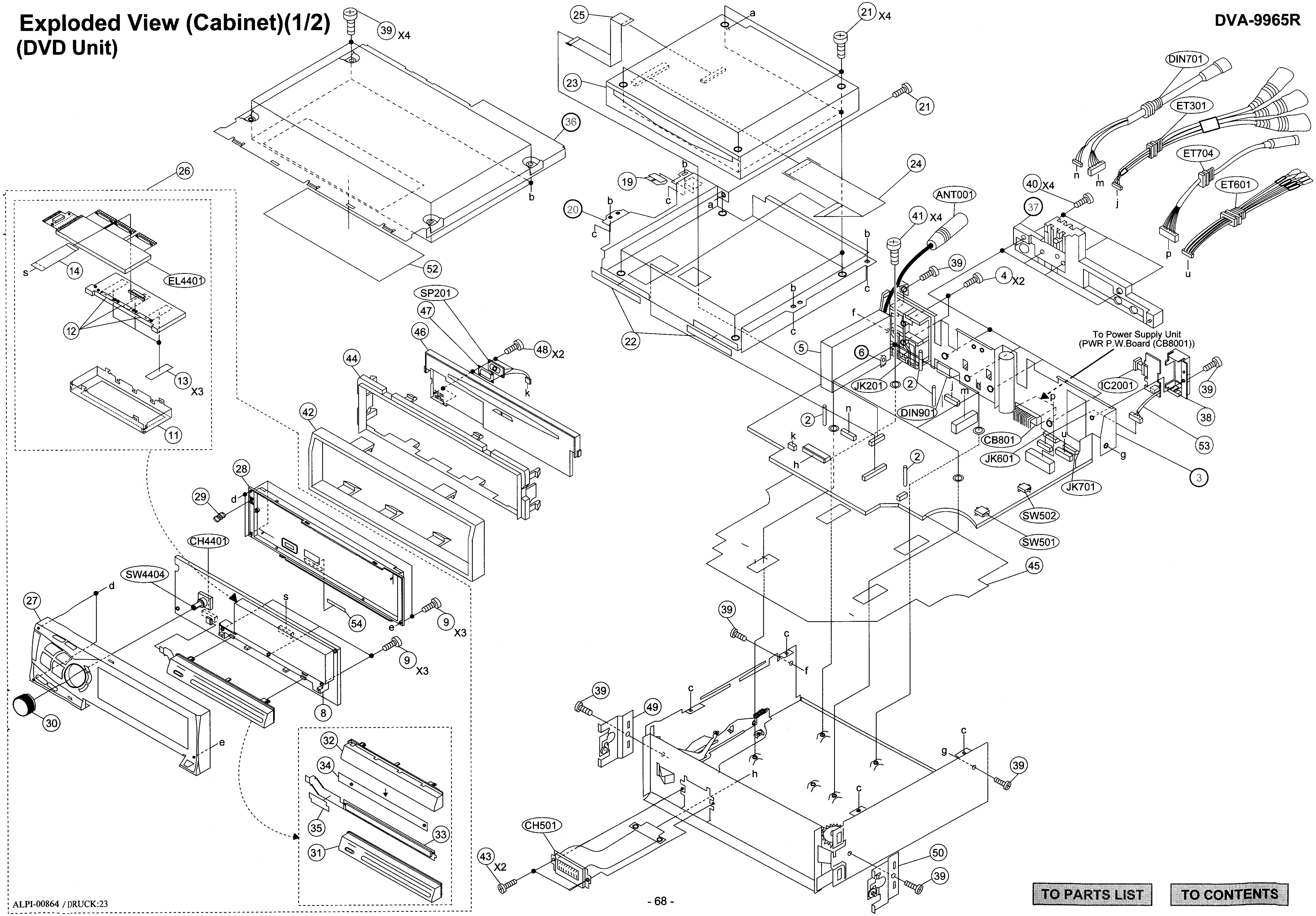
No.	Symbol	I/O	Terminal Description
183	EXTRG1(PULL-DOWN)	-	Pull-down connect terminal.
184	TRCCLK	O	A_Mute output terminal.
185	TRCDATA0(NC)	-	No connect terminal.
186	TRCDATA1(NC)		
187	TRCDATA2(NC)		
188	TRCDATA3(NC)		
189	TRCST(NC)		
190	VDD33	-	I/O power supply terminal.
191	VSS	-	GND terminal.
192	MDQ24	I/O	SDRAM data 24 terminal.
193	MDQ23	I/O	SDRAM data 23 terminal.
194	MDQ25	I/O	SDRAM data 25 terminal.
195	MDQ22	I/O	SDRAM data 22 terminal.
196	VDD33	-	I/O power supply terminal.
197	MDQ26	I/O	SDRAM data 26 terminal.
198	MDQ21	I/O	SDRAM data 21 terminal.
199	MDQ27	I/O	SDRAM data 27 terminal.
200	MDQ20	I/O	SDRAM data 20 terminal.
201	VSS	-	GND terminal.
202	VDD33	-	I/O power supply terminal.
203	MDQ28	I/O	SDRAM data 28 terminal.
204	MDQ19	I/O	SDRAM data 19 terminal.
205	VSS	-	GND terminal.
206	MDQ29	I/O	SDRAM data 29 terminal.
207	MDQ18	I/O	SDRAM data 18 terminal.
208	MDQ30	I/O	SDRAM data 30 terminal.
209	VDD33	-	I/O power supply terminal.
210	MDQ17	I/O	SDRAM data 17 terminal.
211	MDQ31	I/O	SDRAM data 31 terminal.
212	MDQ16	I/O	SDRAM data 16 terminal.
213	VSS	-	GND terminal.
214	DQM3	O	SDRAM data mask 3 terminal.
215	DQM2	O	SDRAM data mask 2 terminal.
216	VDD33	-	I/O power supply terminal.
217	MA3	O	SDRAM address 3 terminal.
218	VSS	-	GND terminal.
219	VDD12	-	Logic power supply terminal.
220	MA4	O	SDRAM address 4 terminal.
221	MA2	O	SDRAM address 2 terminal.
222	VSS	-	GND terminal.
223	MA5	O	SDRAM address 5 terminal.
224	MA1	O	SDRAM address 1 terminal.
225	VDD33	-	I/O power supply terminal.
226	MA6	O	SDRAM address 6 terminal.
227	MA0	O	SDRAM address 0 terminal.
228	MA7	I	SDRAM address 7 terminal.
229	VSS	-	GND terminal.
230	MA10	O	SDRAM address 10 terminal.

No.	Symbol	I/O	Terminal Description
231	VDD33	-	I/O power supply terminal.
232	BA1	O	SDRAM bank address 1 terminal.
233	MA8	I/O	SDRAM address 8 terminal.
234	BA0	O	SDRAM bank address 0 terminal.
235	VSS	-	GND terminal.
236	VDD12	-	Logic power supply terminal.
237	MA11	O	SDRAM address 11 terminal.
238	MA9	O	SDRAM address 9 terminal.
239	VDD33	-	I/O power supply terminal.
240	NCSM	O	SDRAM chip select terminal.
241	MCKI	I	Clock input terminal from SDRAM.
242	VSS	-	GND terminal.
243	MCK	O	Clock output terminal to SDRAM.
244	NRAS	O	SDRAM row address strobe terminal.
245	NCAS	O	SDRAM column address strobe terminal.
246	VDD33	-	I/O power supply terminal.
247	VSS	-	GND terminal.
248	NWE	O	SDRAM write enable terminal.
249	DQM0	O	SDRAM data mask 0 terminal.
250	VSS	-	GND terminal.
251	DQM1	O	SDRAM data mask 1 terminal.
252	MDQ7	I/O	SDRAM data 7 terminal.
253	VSS	-	GND terminal.
254	MDQ8	I/O	SDRAM data 8 terminal.
255	VDD33	-	I/O power supply terminal.
256	MDQ6	I/O	SDRAM data 6 terminal.

TO SCHEMATIC

TO CONTENTS

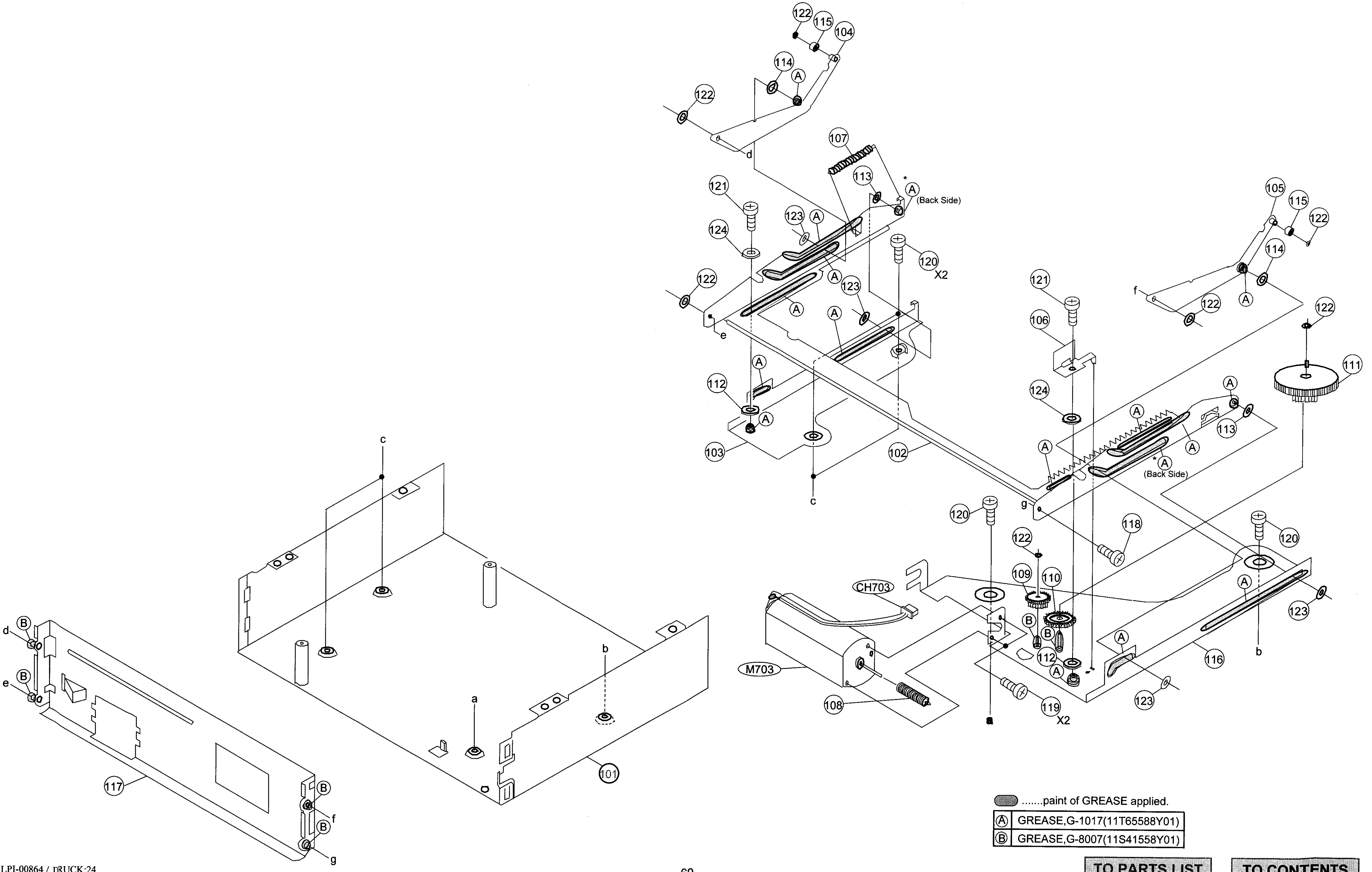
Exploded View (Cabinet)(1/2)
(DVD Unit)


39 X4
36
52
25
a
23
21 X4
21
24
19
b
c
20
22
5
6
JK201
2
DIN901
41 X4
ANT001
39
4 X2
40 X4
37
DIN701
ET301
ET704
ET601
n
m
j
p
u
f
k
h
To Power Supply Unit
(PWR P.W.Board (CB8001))
IC2001
39
38
53
3
g
CB801
JK601
JK701
SW502
SW501
45
26
14
s
EL4401
12
13 X3
11
SP201
47
46
48 X2
44
42
28
29
d
CH4401
SW4404
27
30
54
e
9 X3
9 X3
8
32
34
35
33
31
39
49
CH501
43 X2
50
39
39

TO PARTS LIST

TO CONTENTS

Exploded View (Cabinet)(2/2)
(DVD Unit)

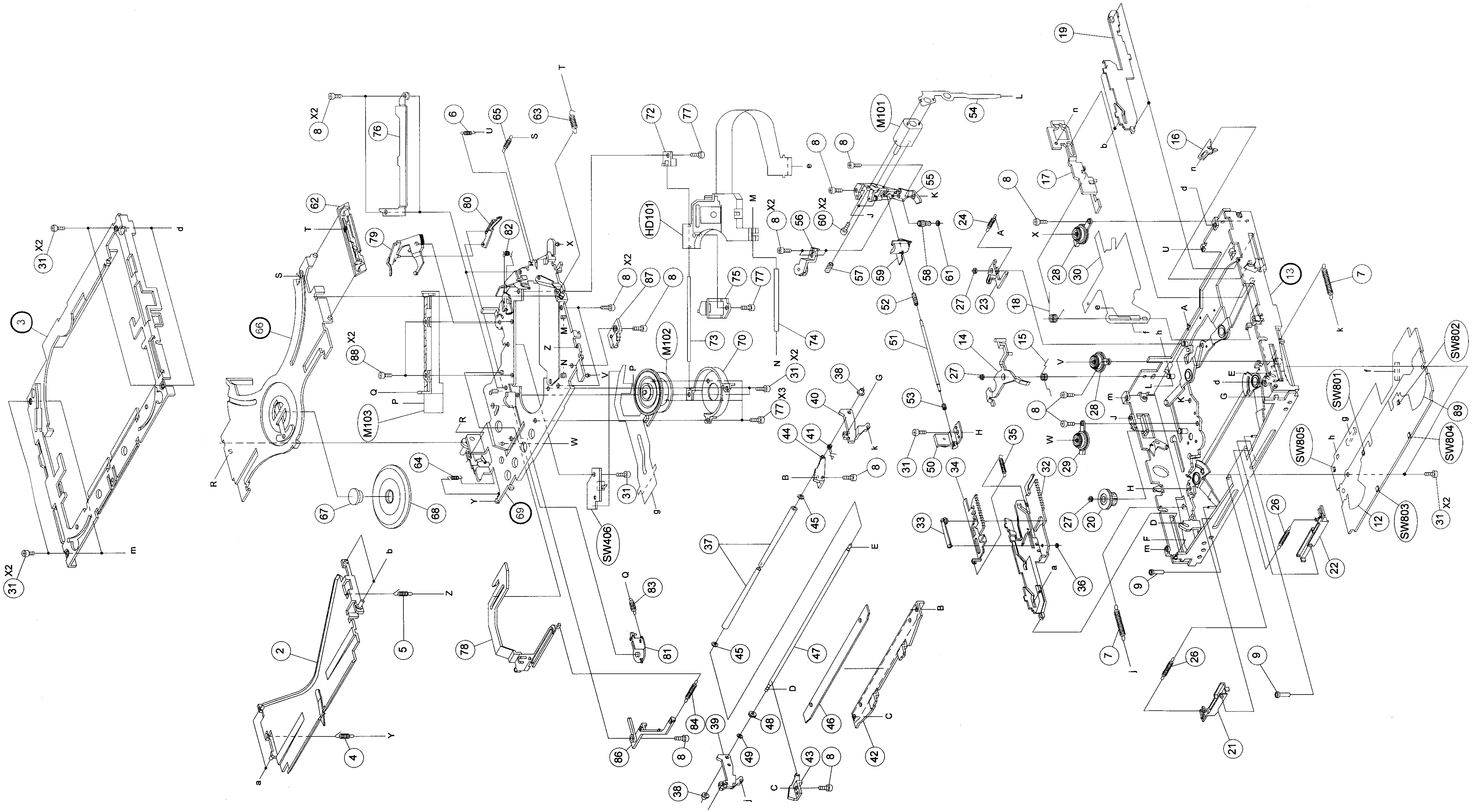

122
115
104
114
A
122
d
107
113
*
A
(Back Side)
121
123
A
124
120
X2
122
A
123
A
A
e
105
115
122
114
A
122
f
122
111
121
106
124
A
112
A
103
102
c
A
A
113
A
A
*A
(Back Side)
g
120
118
122
120
109
110
CH703
B
B
B
A
123
112
A
M703
108
119
X2
a
116
b
123
c
b
a
d
B
e
B
117
B
f
B
g
101

▨ ....paint of GREASE applied.

Ⓐ	GREASE,G-1017(11T65588Y01)
Ⓑ	GREASE,G-8007(11S41558Y01)

Exploded View(DVD Deck Mechanism)

(DV37M150)


2
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78
79
80
81
82
83
84
86
87
88
89
M101
M102
M103
HD101
SW406
SW801
SW802
SW803
SW804
SW805
X2
X3

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< Power Supply Unit >

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Schematic Diagram 74
Terminal Voltage of IC/TR 75 , 76
Exploded View (Cabinet) 77

NOTE : Due to continuing product improvement, specifications and designs are subject to change without notice.

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Parts Layout on P.W.Boards and Wiring Diagram(1/2)

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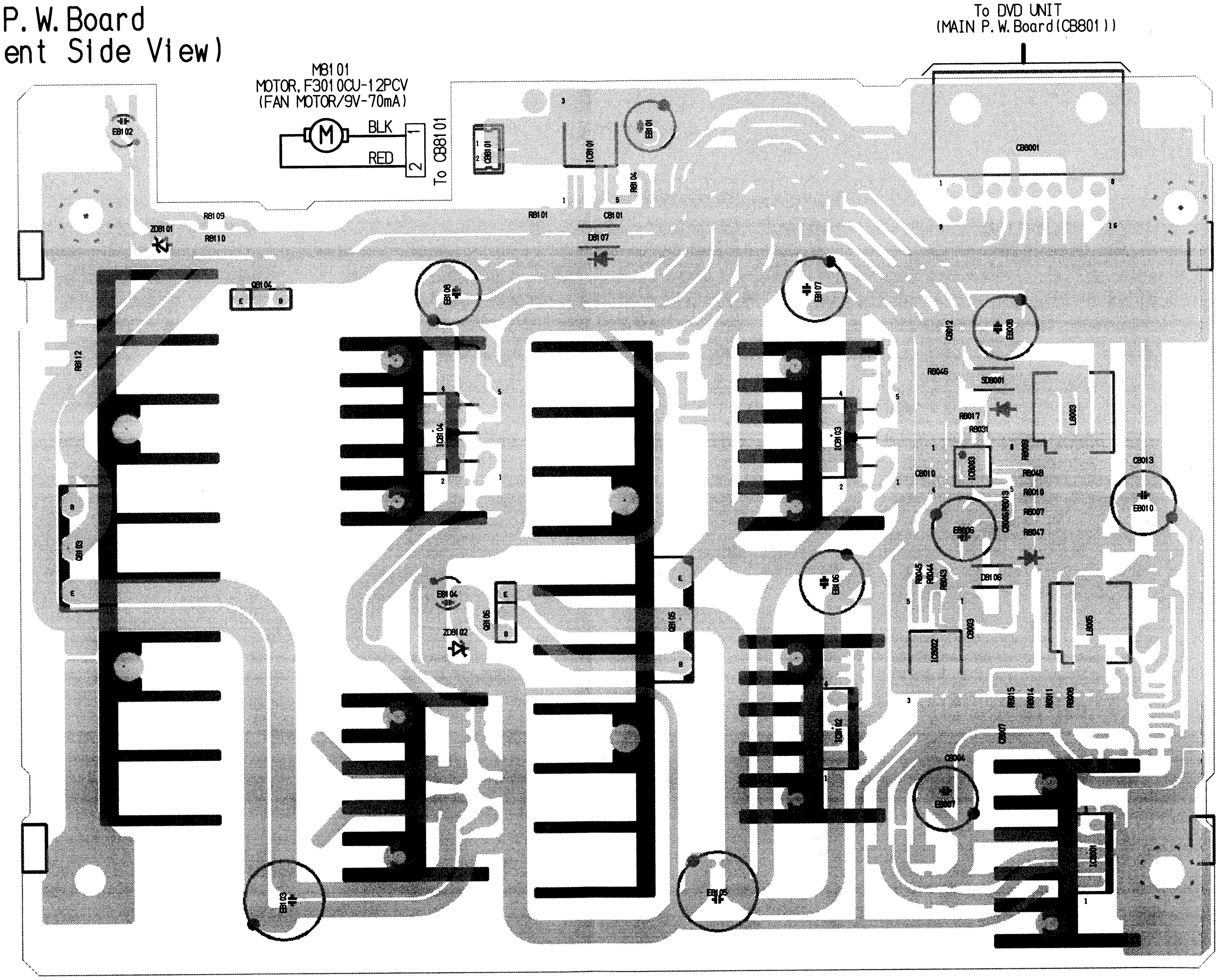
2

3

4

5

PWR P.W.Board
(Component Side View)

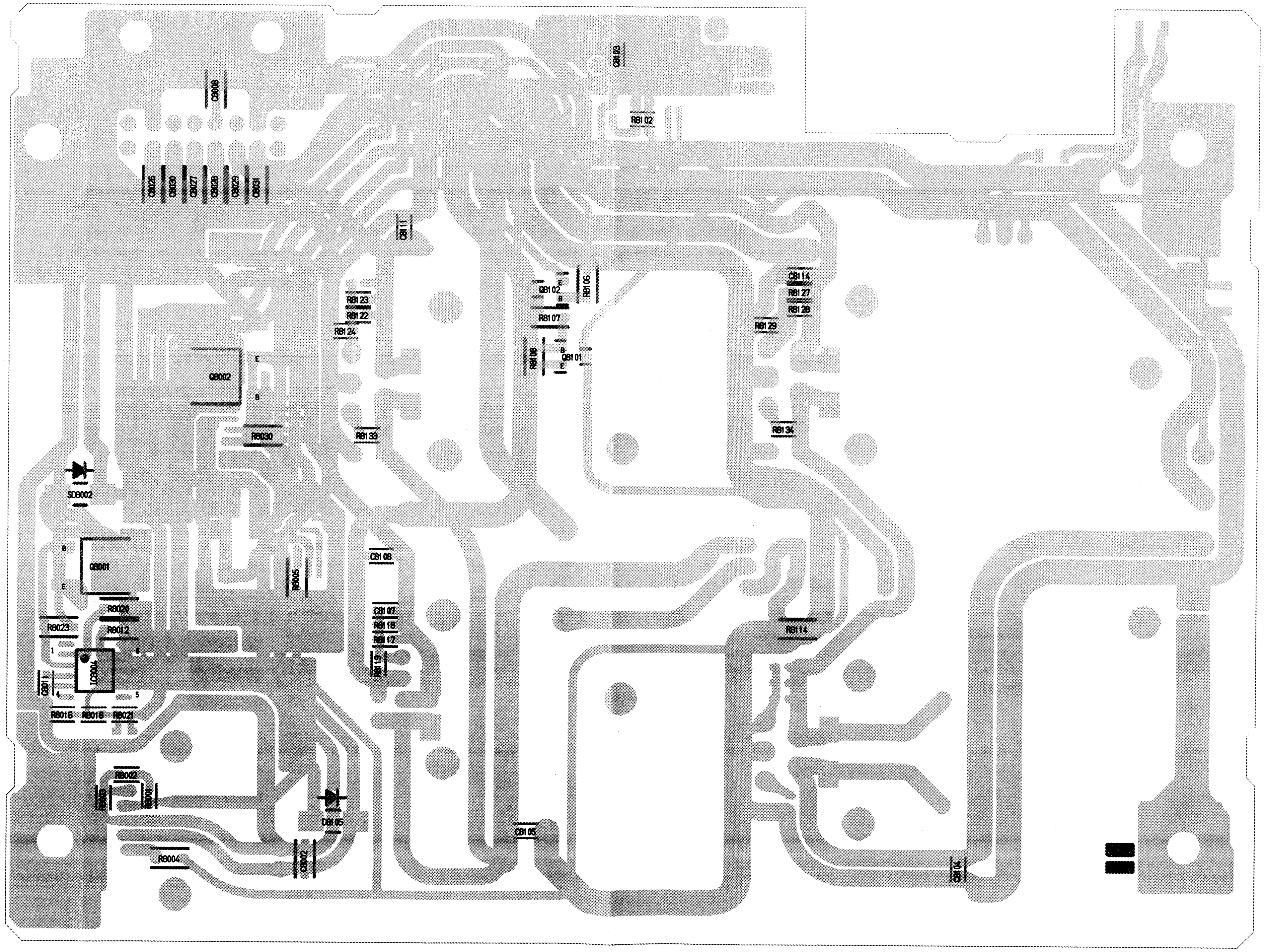

M8101
MOTOR, F3010CU-12PCV
(FAN MOTOR/9V-70mA)
M
BLK
RED
1
2
To CB8101
To DVD UNIT
(MAIN P.W.Board(CB8011))
CB8101
IC8101
EB8101
R8104
R8101
CB8101
D8107
CB8001
EB8102
ZD8101
R8109
R8110
Q8104
R8112
EB8106
EB8107
EB8008
IC8104
IC8103
Q8113
EB8104
ZD8102
Q8106
Q8105
EB8106
SD8001
L8003
IC8003
EB8010
EB8005
IC8002
L8005
IC8102
EB8007
IC8001
EB8103
EB8105

Orange Color Pattern : Component Side View

Blue Color Pattern : Foil Side View

Parts Layout on P.W.Boards and Wiring Diagram(2/2)

PWR P.W.Board(Foil Side View)

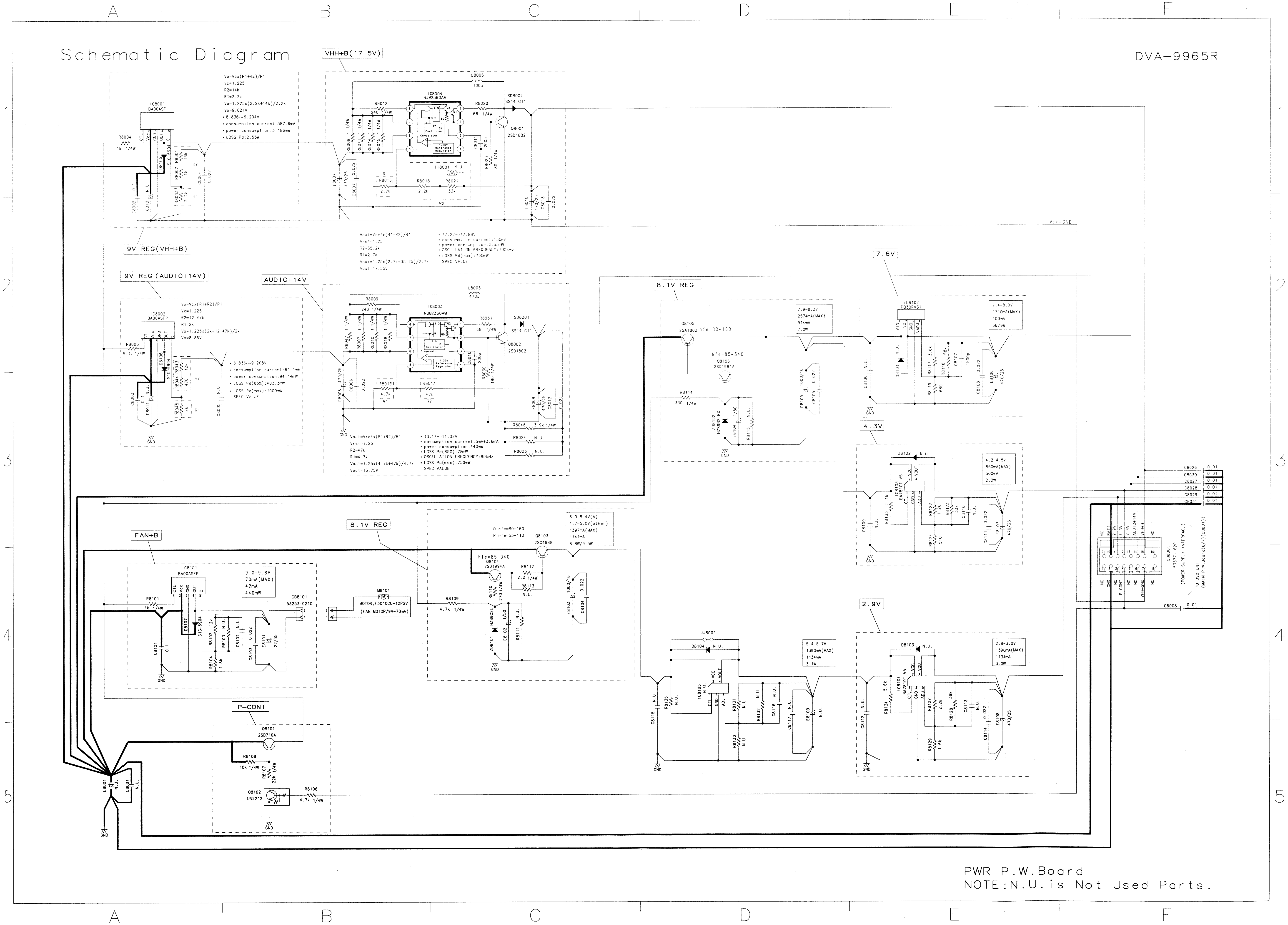

C8008
C8026
C8030
C8027
C8028
C8029
C8031
C8103
R8102
C8111
R8123
R8122
R8124
Q8102
E
B
R8106
R8107
R8108
B
Q8101
E
C8114
R8127
R8128
R8129
Q8002
E
B
R8030
R8133
R8134
SD8002
B
Q8001
E
R8005
C8108
R8020
R8023
R8012
1
8
IC8004
C8011
4
5
R8016
R8018
R8021
C8107
R8118
R8117
R8119
R8114
R8002
R8003
R8001
D8105
C8105
R8004
C8002
C8104

Orange Color Pattern : Component Side View

Blue Color Pattern : Foil Side View

Schematic Diagram

DVA-9965R



VHH+B(17.5V)
9V REG(VHH+B)
9V REG(AUDIO+14V)
AUDIO+14V
8.1V REG
7.6V
4.3V
FAN+B
8.1V REG
2.9V
P-CONT
IC8001 BA00AST
IC8004 NJM2360AM
IC8002 BA00ASFP
IC8003 NJM2360AM
IC8101 BA00ASFP
IC8102 PQ30RV31
IC8103 BA17810T-V5
IC8104 BA17810T-V5
IC8105
Q8001 2SD1802
Q8002 2SD1802
Q8105 2SA1803
Q8106 2SD1994A
Q8103 2SC4688
Q8104 2SD1994A
Q8101 2SB710A
Q8102 UN2212
SD8001 SS14 G11
SD8002 SS14 G11
L8005 100u
L8003 470u
M8101 MOTOR,F3010CU-12PSV (FAN MOTOR/9V-70mA)
CB8101 53253-0210
CN8001 53377-1620 (POWER-SUPPLY INTERFACE) TO DVD UNIT (MAIN P.W.Board(6/7)(CN801))
VHH-GND
GND
N.U.
A
B
C
D
E
F
1
2
3
4
5

PWR P.W.Board
NOTE:N.U.is Not Used Parts.

Terminal Voltage of IC/TR

IC8001		
Pin No.	Voltage	Note
1	13.03	
2	13.57	
3	0	
4	8.97	
5	1.23	

IC8002		
Pin No.	Voltage	Note
1	11.26	
2	13.47	
3	0	
4	8.85	
5	1.22	

IC8003		
Pin No.	Voltage	Note
1	PS	
2	PS	
3	PS	
4	0	
5	1.25	
6	8.85	
7	8.84	
8	PS	

IC8004		
Pin No.	Voltage	Note
1	PS	
2	PS	
3	PS	
4	0	
5	1.30	
6	8.97	
7	8.92	
8	PS	

IC8101		
Pin No.	Voltage	Note
1	12.92	
2	13.47	
3	0	
4	9.43	
5	1.22	

IC8102		
Pin No.	Voltage	Note
1	8.47	
2	7.62	
3	0	
4	1.26	

IC8103		
Pin No.	Voltage	Note
1	7.67	
2	8.47	
3	0	
4	4.17	
5	1.27	

IC8104		
Pin No.	Voltage	Note
1	5.38	
2	5.58	
3	0	
4	2.86	
5	1.26	

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TO CONTENTS

REF	No.	Voltage	Note	REF	No.	Voltage	Note
Q8001	B	PS		Q8103	B	8.5	
	C	PS			C	13.60	
	E	0			E	9.19	
Q8002	B	PS		Q8104	B	9.23	
	C	PS			C	13.60	
	E	0			E	9.81	
Q8101	B	12.98		Q8105	B	13.08	
	C	13.60			C	8.49	
	E	13.65			E	13.65	
Q8102	B	9.60		Q8106	B	9.02	
	C	0			C	13.01	
	E	0			E	8.49	

[Measuring Conditions]

1. Power Supply Voltage : DC14.4V
2. Measuring Meter : Digital Multimeter
3. Measuring Point Reference : Between GND
4. Measuring Condition : FM : 98.1MHz

TO SCHEMATIC

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Electrical Parts List (DVD Unit)

* Each parts on P.W.Board are described in order of the reference number.

=======MAIN P.W.Board

C101	08S82122F24	CAP,CER.30RJ-CH1H-CP
C102	08S82122F17	CAP,CER.15RJ-CH1H-CP
C103	08S82122F16	CAP,CER.13RJ-CH1H-CP
C104	08S45676W80	CAP,CER 223K-B1E -CP
C105	08S45676W73	CAP,CER.103K-B1H -CP
C106	08S45676W73	CAP,CER.103K-B1H -CP
C107	08S45676W85	CAP,CER 104K-B1C -CP
C108	08S45676W85	CAP,CER 104K-B1C -CP
C109	08S45676W85	CAP,CER 104K-B1C -CP
C110	08S45676W85	CAP,CER 104K-B1C -CP
C113	08S45676W80	CAP,CER 223K-B1E -CP
C119	08S45676W85	CAP,CER 104K-B1C -CP
C120	08S45676W85	CAP,CER 104K-B1C -CP
C121	08S45677W44	CAP,CER.221J-CH1H-CP
C122	08S45677W44	CAP,CER.221J-CH1H-CP
C123	08S45677W44	CAP,CER.221J-CH1H-CP
C124	08S45677W44	CAP,CER.221J-CH1H-CP
C125	08T65463Y01	CAP,CER 335K-B1A -CP
C126	08T65463Y01	CAP,CER 335K-B1A -CP
C127	08S45676W89	CAP,CER 473K-B1E -CP
C128	08S45676W85	CAP,CER 104K-B1C -CP
C129	08T65463Y01	CAP,CER 335K-B1A -CP
C130	08T65463Y01	CAP,CER 335K-B1A -CP
C131	08S45676W80	CAP,CER 223K-B1E -CP
C132	08S45676W80	CAP,CER 223K-B1E -CP
C133	08S45677W28	CAP,CER 47RJ-CH1H-CP
C134	08S45677W28	CAP,CER 47RJ-CH1H-CP
C135	08S45676W85	CAP,CER 104K-B1C -CP
C136	08S45677W36	CAP,CER.101J-CH1H-CP
C140	08S45676W80	CAP,CER 223K-B1E -CP
C141	08S45676W80	CAP,CER 223K-B1E -CP
C142	08S45676W67	CAP,CER.332K-B1H -CP
C143	08S45676W67	CAP,CER.332K-B1H -CP
C144	08S45676W67	CAP,CER.332K-B1H -CP
C145	08S45676W67	CAP,CER.332K-B1H -CP
C146	08S45676W67	CAP,CER.332K-B1H -CP
C147	08S45676W67	CAP,CER.332K-B1H -CP
C148	08S45676W80	CAP,CER 223K-B1E -CP
C150	08S45677W36	CAP,CER.101J-CH1H-CP
C151	08S45676W80	CAP,CER 223K-B1E -CP
C155	08S45676W80	CAP,CER 223K-B1E -CP
C156	08S45676W80	CAP,CER 223K-B1E -CP
C157	08S45676W80	CAP,CER 223K-B1E -CP
C158	08S45676W80	CAP,CER 223K-B1E -CP
C163	08S45677W10	CAP,CER 8R0D-CH1H-CP
C164	08S45677W10	CAP,CER 8R0D-CH1H-CP
C165	08S45676W85	CAP,CER 104K-B1C -CP
C166	08S45676W80	CAP,CER 223K-B1E -CP
C167	08S45676W85	CAP,CER 104K-B1C -CP
C168	08S35374W11	CAP,CER 475K-B0J -CP
C169	08S45676W85	CAP,CER 104K-B1C -CP

C170	08S35374W11	CAP,CER 475K-B0J -CP
C171	08S45676W85	CAP,CER 104K-B1C -CP
C182	08S45676W85	CAP,CER 104K-B1C -CP
C191	08S45676W80	CAP,CER 223K-B1E -CP
C192	08S45676W80	CAP,CER 223K-B1E -CP
C193	08S45676W85	CAP,CER 104K-B1C -CP
C194	08S45676W85	CAP,CER 104K-B1C -CP
C196	08S45676W80	CAP,CER 223K-B1E -CP
C207	08T81833F12	CAP,CER 106K-B1A -CP
C208	08T81833F12	CAP,CER 106K-B1A -CP
C209	08T65463Y01	CAP,CER 335K-B1A -CP
C210	08T65463Y01	CAP,CER 335K-B1A -CP
C211	08S45677W60	CAP,CER 102J-CH1H-CP
C212	08T65463Y01	CAP,CER 335K-B1A -CP
C213	08T65463Y01	CAP,CER 335K-B1A -CP
C214	08T65463Y01	CAP,CER 335K-B1A -CP
C216	08S45676W85	CAP,CER 104K-B1C -CP
C217	08S45676W80	CAP,CER 223K-B1E -CP
C218	08S45676W80	CAP,CER 223K-B1E -CP
C220	08S35349Y16	CAP,CER 105K-B1A -CP
C221	08S45676W85	CAP,CER 104K-B1C -CP
C223	08S35349Y16	CAP,CER 105K-B1A -CP
C224	08S45677W24	CAP,CER 33RJ-CH1H-CP
C225	08S45676W80	CAP,CER 223K-B1E -CP
C226	08S45676W80	CAP,CER 223K-B1E -CP
C227	08S45676W80	CAP,CER 223K-B1E -CP
C231	08T65463Y01	CAP,CER 335K-B1A -CP
C238	08S65667Y01	CAP,CER 224KX5R1C-CP
C239	08S45676W80	CAP,CER 223K-B1E -CP
C241	08S45676W64	CAP,CER.182K-B1H -CP
C242	08S35349Y16	CAP,CER 105K-B1A -CP
C243	08S45677W23	CAP,CER.30RJ-CH1H-CP
C301	08S45676W80	CAP,CER 223K-B1E -CP
C302	08T65463Y01	CAP,CER 335K-B1A -CP
C303	08T65463Y01	CAP,CER 335K-B1A -CP
C304	08S45677W52	CAP,CER 471J-CH1H-CP
C305	08S45677W52	CAP,CER 471J-CH1H-CP
C306	08S45677W38	CAP,CER 121J-CH1H-CP
C307	08S45677W38	CAP,CER 121J-CH1H-CP
C308	08S45677W42	CAP,CER.181J-CH1H-CP
C309	08S45677W42	CAP,CER.181J-CH1H-CP
C310	08S45677W34	CAP,CER.82RJ-CH1H-CP
C311	08S45677W34	CAP,CER.82RJ-CH1H-CP
C312	08S45676W80	CAP,CER 223K-B1E -CP
C313	08S45676W80	CAP,CER 223K-B1E -CP
C314	08S45676W80	CAP,CER 223K-B1E -CP
C316	08T81833F11	CAP,CER 225K-B1C -CP
C317	08T81833F11	CAP,CER 225K-B1C -CP
C321	08S45676W80	CAP,CER 223K-B1E -CP
C322	08S45676W80	CAP,CER 223K-B1E -CP
C323	08S65676Y02	CAP,CER 475KX7R1A-CP
C324	08S65676Y02	CAP,CER 475KX7R1A-CP
C401	08T65463Y01	CAP,CER 335K-B1A -CP
C402	08T65463Y01	CAP,CER 335K-B1A -CP
C403	08T65463Y01	CAP,CER 335K-B1A -CP
C404	08T65463Y01	CAP,CER 335K-B1A -CP
C405	08T65463Y01	CAP,CER 335K-B1A -CP

C406	08T65463Y01	CAP,CER 335K-B1A -CP
C407	08S45677W48	CAP,CER.331J-CH1H-CP
C408	08S45677W48	CAP,CER.331J-CH1H-CP
C409	08S45677W48	CAP,CER.331J-CH1H-CP
C410	08S45677W48	CAP,CER.331J-CH1H-CP
C411	08S45677W48	CAP,CER.331J-CH1H-CP
C412	08S45677W48	CAP,CER.331J-CH1H-CP
C413	08S45677W40	CAP,CER.151J-CH1H-CP
C414	08S45677W40	CAP,CER.151J-CH1H-CP
C415	08S45677W40	CAP,CER.151J-CH1H-CP
C416	08S45677W40	CAP,CER.151J-CH1H-CP
C417	08S45677W40	CAP,CER.151J-CH1H-CP
C418	08S45677W40	CAP,CER.151J-CH1H-CP
C419	08S45677W54	CAP,CER 561J-CH1H-CP
C420	08S45677W54	CAP,CER 561J-CH1H-CP
C421	08S45677W54	CAP,CER 561J-CH1H-CP
C422	08S45677W54	CAP,CER 561J-CH1H-CP
C423	08S45677W54	CAP,CER 561J-CH1H-CP
C424	08S45677W54	CAP,CER 561J-CH1H-CP
C425	08S45677W12	CAP,CER.10RD-CH1H-CP
C426	08S45677W12	CAP,CER.10RD-CH1H-CP
C427	08S45677W12	CAP,CER.10RD-CH1H-CP
C428	08S45677W12	CAP,CER.10RD-CH1H-CP
C429	08S45677W12	CAP,CER.10RD-CH1H-CP
C430	08S45677W12	CAP,CER.10RD-CH1H-CP
C431	08S45676W80	CAP,CER 223K-B1E -CP
C432	08S45676W80	CAP,CER 223K-B1E -CP
C433	08S45676W80	CAP,CER 223K-B1E -CP
C434	08S45676W80	CAP,CER 223K-B1E -CP
C435	08S45676W80	CAP,CER 223K-B1E -CP
C501	08S45676W85	CAP,CER 104K-B1C -CP
C502	08S45676W85	CAP,CER 104K-B1C -CP
C503	08S45676W85	CAP,CER 104K-B1C -CP
C504	08S35374W11	CAP,CER 475K-B0J -CP
C505	08S45677W16	CAP,CER.15RJ-CH1H-CP
C506	08S45677W16	CAP,CER.15RJ-CH1H-CP
C507	08S45677W60	CAP,CER 102J-CH1H-CP
C508	06S55365Y97	RES,RK 223J 1/10 -CP
C510	08S45676W85	CAP,CER 104K-B1C -CP
C511	08S45676W80	CAP,CER 223K-B1E -CP
C512	08S45676W85	CAP,CER 104K-B1C -CP
C513	08S45676W80	CAP,CER 223K-B1E -CP
C514	08S65128F78	CAP,CER.223K-B1H -CP
C515	08S45677W60	CAP,CER 102J-CH1H-CP
C516	08S45677W60	CAP,CER 102J-CH1H-CP
C517	08S45677W60	CAP,CER 102J-CH1H-CP
C518	08S45676W80	CAP,CER 223K-B1E -CP
C561	08S45677W60	CAP,CER 102J-CH1H-CP
C601	08S45676W85	CAP,CER 104K-B1C -CP
C602	08S65128F78	CAP,CER.223K-B1H -CP
C603	08S65128F78	CAP,CER.223K-B1H -CP
C701	08S65674Y05	CAP,CER 105KX5R1C-CP
C702	08S45676W80	CAP,CER 223K-B1E -CP
C703	08S45676W80	CAP,CER 223K-B1E -CP
C704	08S45676W80	CAP,CER 223K-B1E -CP
C705	08S45676W80	CAP,CER 223K-B1E -CP
C711	08S45677W22	CAP,CER.27RJ-CH1H-CP

C712	08S45677W22	CAP,CER.27RJ-CH1H-CP
C713	08S45676W80	CAP,CER 223K-B1E -CP
C716	08S45676W85	CAP,CER 104K-B1C -CP
C717	08S45539Y04	CAP,CER 103KX7R2J-CP
C718	08S45676W80	CAP,CER 223K-B1E -CP
C719	08S45676W80	CAP,CER 223K-B1E -CP
C725	08S65128F88	CAP,CER 104K-B1H -CP
C731	08S45676W73	CAP,CER.103K-B1H -CP
C732	08S45676W65	CAP,CER.222K-B1H -CP
C733	08S45676W85	CAP,CER 104K-B1C -CP
C802	08S45539Y02	CAP,CER 222KX7R2J-CP
C803	08S45539Y04	CAP,CER 103KX7R2J-CP
C804	08S45539Y04	CAP,CER 103KX7R2J-CP
C805	08S45539Y04	CAP,CER 103KX7R2J-CP
C806	08S45539Y04	CAP,CER 103KX7R2J-CP
C807	08S45539Y04	CAP,CER 103KX7R2J-CP
C808	08S45539Y04	CAP,CER 103KX7R2J-CP
C809	08S45539Y04	CAP,CER 103KX7R2J-CP
C810	08S45539Y04	CAP,CER 103KX7R2J-CP
C811	08S45539Y04	CAP,CER 103KX7R2J-CP
C812	08S45539Y04	CAP,CER 103KX7R2J-CP
C813	08S45539Y04	CAP,CER 103KX7R2J-CP
C814	08S45676W80	CAP,CER 223K-B1E -CP
C816	08S45676W80	CAP,CER 223K-B1E -CP
C818	08S45676W80	CAP,CER 223K-B1E -CP
C820	08S45676W80	CAP,CER 223K-B1E -CP
C821	08S45676W80	CAP,CER 223K-B1E -CP
C823	08S45676W80	CAP,CER 223K-B1E -CP
C824	08S45676W83	CAP,CER 473K-B1C -CP
C825	08S45676W85	CAP,CER 104K-B1C -CP
C826	08S45676W80	CAP,CER 223K-B1E -CP
C828	08S45676W80	CAP,CER 223K-B1E -CP
C829	08S45676W85	CAP,CER 104K-B1C -CP
C830	08T15807W05	CAP,CP 104-B-K-1H
C831	08S45676W80	CAP,CER 223K-B1E -CP
C832	08S53332F47	CAP,CP .103-K-B -CP
C833	08S45676W80	CAP,CER 223K-B1E -CP
C834	08S45676W85	CAP,CER 104K-B1C -CP
C835	08S45676W73	CAP,CER.103K-B1H -CP
C836	08S45676W73	CAP,CER.103K-B1H -CP
C837	08S45676W73	CAP,CER.103K-B1H -CP
C838	08S45676W73	CAP,CER.103K-B1H -CP
C839	08S45677W60	CAP,CER 102J-CH1H-CP
C840	08S45677W60	CAP,CER 102J-CH1H-CP
C841	08S45676W73	CAP,CER.103K-B1H -CP
C842	08S45676W63	CAP,CER 152K-B1H -CP
C843	08S45676W80	CAP,CER 223K-B1E -CP
C844	08S45676W73	CAP,CER.103K-B1H -CP
C845	08S45676W80	CAP,CER 223K-B1E -CP
C846	08S45676W73	CAP,CER.103K-B1H -CP
C848	08S45676W80	CAP,CER 223K-B1E -CP
C851	08S60102F48	CAP,CER 105K-B1E -CP
C852	08S45676W85	CAP,CER 104K-B1C -CP
C853	08S45676W80	CAP,CER 223K-B1E -CP
C854	08S45676W80	CAP,CER 223K-B1E -CP
C855	08S45676W80	CAP,CER 223K-B1E -CP
C856	08S45676W73	CAP,CER.103K-B1H -CP

C857	08S65677Y05	CAP,CER 476MX7R0J-CP
C858	08S45676W80	CAP,CER 223K-B1E -CP
C860	08S35374W07	CAP,CER 334K-B1C -CP
C901	08S45676W85	CAP,CER 104K-B1C -CP
C902	08S45676W85	CAP,CER 104K-B1C -CP
C903	08S45676W80	CAP,CER 223K-B1E -CP
C904	08S35349Y16	CAP,CER 105K-B1A -CP
C905	08S35349Y16	CAP,CER 105K-B1A -CP
C906	08S45677W28	CAP,CER 47RJ-CH1H-CP
C907	08S45677W28	CAP,CER 47RJ-CH1H-CP
C908	08S45677W30	CAP,CER.56RJ-CH1H-CP
C909	08S45677W30	CAP,CER.56RJ-CH1H-CP
C910	08S45677W26	CAP,CER.39RJ-CH1H-CP
C911	08S45677W26	CAP,CER.39RJ-CH1H-CP
C912	08S45677W14	CAP,CER.12RJ-CH1H-CP
C913	08S45677W14	CAP,CER.12RJ-CH1H-CP
C914	08S45677W60	CAP,CER 102J-CH1H-CP
C915	08S45677W24	CAP,CER 33RJ-CH1H-CP
C916	08S45677W24	CAP,CER 33RJ-CH1H-CP
C917	08S45676W80	CAP,CER 223K-B1E -CP
C918	08S45677W24	CAP,CER 33RJ-CH1H-CP
C919	08S45676W85	CAP,CER 104K-B1C -CP
C920	08S45676W85	CAP,CER 104K-B1C -CP
C921	08T81833F10	CAP,CER 106K-B0J -CP
C922	08T81833F10	CAP,CER 106K-B0J -CP
C923	08T81833F13	CAP,CER 106K-B1C -CP
C924	08T81833F13	CAP,CER 106K-B1C -CP
CB201	09T25436Y02	WTB,53253-0210 -DB
CB202	09T25436Y03	WTB,53253-0310 -DB
CB301	09T25436Y05	WTB,53253-0510 -DB
CB501	09T45434W15	FFC,52271-1590 -ED
CB502	09T75225Y45	FFC,51374-4593 -ER
CB503	09T75225Y24	FFC,51374-2493 -ES
CB601	09T55228W04	WTB,SC25-04WS -DB
CB701	09T25436Y03	WTB,53253-0310 -DB
CB702	09T25436Y06	WTB,53253-0610 -DB
CB703	09T25436Y02	WTB,53253-0210 -DB
CB704	09T25436Y09	WTB,53253-0910 -DB
D101	48T85357W01	DIO,1PS226 -CP
D201	48T25651W01	DIO,CP MA152WA
D202	48T25651W01	DIO,CP MA152WA
D203	48T25651W01	DIO,CP MA152WA
D204	48T25665Y01	DIO,1SS355-TE17 -CP
D301	48T25651W01	DIO,CP MA152WA
D601	48T25651W02	DIO,MA152WK-TX -CP
D602	48T25651W02	DIO,MA152WK-TX -CP
D711	48T25665Y01	DIO,1SS355-TE17 -CP
D712	48T25651W02	DIO,MA152WK-TX -CP
D801	48T75446Y01	DIO,RR264M-400 -CP
D802	48T25665Y01	DIO,1SS355-TE17 -CP
D803	48T25651W02	DIO,MA152WK-TX -CP
D805	48T85357W01	DIO,1PS226 -CP
D807	48T75446Y01	DIO,RR264M-400 -CP
D808	48T75446Y01	DIO,RR264M-400 -CP
D810	48T65122W01	DIO,SHT SS14-6600-E1
D811	48T25593Y01	DIO,S1G-6904 -E1
E101	23T75233Y07	CAP,ARI 10R-1C -R2

E102	23T75233Y07	CAP,ARI 10R-1C -R2
E103	23T75233Y01	CAP,ARI 22R-0J -R2
E109	23T75234Y03	CAP,MAR 101-0J-F55E6
E110	23T75233Y01	CAP,ARI 22R-0J -R2
E111	23T75233Y01	CAP,ARI 22R-0J -R2
E112	23S95415W02	CAP,ELY 471-1A -R2
E113	23T75233Y01	CAP,ARI 22R-0J -R2
E114	23T75233Y01	CAP,ARI 22R-0J -R2
E201	23T75233Y16	CAP,ARI R47-1H -R2
E202	23T75233Y16	CAP,ARI R47-1H -R2
E203	23T75233Y01	CAP,ARI 22R-0J -R2
E204	23T75234Y15	CAP,MAR 3R3-1H-D55E2
E205	23T75234Y15	CAP,MAR 3R3-1H-D55E2
E206	23T75234Y15	CAP,MAR 3R3-1H-D55E2
E207	23T75234Y15	CAP,MAR 3R3-1H-D55E2
E208	23T75234Y15	CAP,MAR 3R3-1H-D55E2
E209	23T75234Y15	CAP,MAR 3R3-1H-D55E2
E217	23T75233Y05	CAP,ARI 101-1A -R2
E221	23T75233Y08	CAP,ARI 22R-1C -R2
E231	23T75234Y05	CAP,MAR 10R-1C-D55E2
E233	23T75234Y05	CAP,MAR 10R-1C-D55E2
E234	23T75233Y07	CAP,ARI 10R-1C -R2
E235	23T75233Y07	CAP,ARI 10R-1C -R2
E301	23T75233Y16	CAP,ARI R47-1H -R2
E302	23T75234Y13	CAP,MAR 1R0-1H-D55E2
E303	23T75234Y10	CAP,MAR R22-1H-D55E2
E304	23T75234Y05	CAP,MAR 10R-1C-D55E2
E305	23T75234Y12	CAP,MAR R47-1H-D55E2
E401	23T75234Y12	CAP,MAR R47-1H-D55E2
E404	23T75233Y12	CAP,ARI 4R7-1V -R2
E405	23T75233Y16	CAP,ARI R47-1H -R2
E406	23T75233Y08	CAP,ARI 22R-1C -R2
E501	23T65371Y01	CAP,ARI 221-0J -R2
E502	23S95415W06	CAP,ELY 101-1C -R2
E503	23S75244Y29	CAP,ELY 221-1E -EA
E701	23T75233Y08	CAP,ARI 22R-1C -R2
E711	23T75233Y08	CAP,ARI 22R-1C -R2
E717	23T75234Y05	CAP,MAR 10R-1C-D55E2
E801	23T75325Y01	CAP,VB 332-1C +
E802	23T55378W01	CAP,KMG.221-1A -R2
E803	23S95415W06	CAP,ELY 101-1C -R2
E804	23S95415W06	CAP,ELY 101-1C -R2
E805	23S95415W06	CAP,ELY 101-1C -R2
E807	23S95415W05	CAP,ELY 47R-1C -R2
E808	23T75233Y07	CAP,ARI 10R-1C -R2
E809	23T75233Y13	CAP,ARI R10-1H -R2
E810	23T75233Y07	CAP,ARI 10R-1C -R2
E811	23T55378W01	CAP,KMG.221-1A -R2
E814	23T75234Y19	CAP,MAR 101-1C-H63E6
E815	23S75244Y18	CAP,ELY 47R-1C -E3
E816	23S75244Y18	CAP,ELY 47R-1C -E3
E817	23T75233Y07	CAP,ARI 10R-1C -R2
E818	23S75244Y18	CAP,ELY 47R-1C -E3
E822	23S75244Y20	CAP,ELY 221-1C -E6
E823	23S75244Y20	CAP,ELY 221-1C -E6
E824	23S75244Y03	CAP,ELY 101-0J -E3
E825	23S75244Y20	CAP,ELY 221-1C -E6

E826	23S75244Y04	CAP,ELY 221-0J -E6
E830	23S75244Y03	CAP,ELY 101-0J -E3
E831	23S75244Y19	CAP,ELY 101-1C -E6
E832	23S75244Y04	CAP,ELY 221-0J -E6
E834	23S75244Y04	CAP,ELY 221-0J -E6
E904	23T75234Y05	CAP,MAR 10R-1C-D55E2
E906	23T75233Y07	CAP,ARI 10R-1C -R2
E907	23T75233Y07	CAP,ARI 10R-1C -R2
E908	23T75233Y08	CAP,ARI 22R-1C -R2
E909	23S95415W06	CAP,ELY 101-1C -R2
E910	23S95415W06	CAP,ELY 101-1C -R2
E911	23T75233Y07	CAP,ARI 10R-1C -R2
E914	23T75233Y08	CAP,ARI 22R-1C -R2
E915	23T75233Y06	CAP,ARI 221-1A -R2
E916	23T75233Y10	CAP,ARI 47R-1C -R2
IC101	51T75039Y01	SAF7730HV/N2 -QT
IC201	51T75475Y01	TDA7501 -QT
IC202	51-03956Z01	NJM2073M-TE1 -SE6
IC204	51T75149Y01	CS8406-IZ -SE5
IC205	51T25404Y02	TC7W53FU-TE12L -SE1
IC206	51T25183Y02	TC7SET08FU-EL -CP
IC208	51T95441W04	MSM9802-248G3-AK-SE6
IC301	51T35360Y01	TC7WH08FU-L -SE1
IC302	51T55240Y01	PCM1742KE -SE2
IC303	51T25576W07	NJM4580V-TE2 -SE2
IC401	51T25576W07	NJM4580V-TE2 -SE2
IC402	51T25576W07	NJM4580V-TE2 -SE2
IC403	51T25576W07	NJM4580V-TE2 -SE2
IC404	51T15605Y01	NJM2130F-TE1 -CP
IC501	53-07956Z49	OFL,V09920HAAR401A_M
IC502	51T65769Y02	BR24L16FVM-WTR -SE1
IC601	51T35360Y01	TC7WH08FU-L -SE1
IC701	51T25448Y01	BA6219BFP-Y-E2 -SE9
IC702	51T15194Y01	TC74VHCT08AFT-EL-SE5
IC703	51T25183Y02	TC7SET08FU-EL -CP
IC704	51T55070W05	MB88385CPF-ER -SE9
IC708	51T65212Y01	BA8275F-E2 -SE2
IC801	51T45336Y01	L5952 -ZS
IC802	51T65016Y13	S-80922CNMC-T2 -CP
IC803	51T75468Y02	BD3930FP-E2 -NE5
IC804	51T25259Y03	BA00ASFP-E2 -NE5
IC805	51T25259Y03	BA00ASFP-E2 -NE5
IC806	51T65666Y03	NJM2880U1-05-TE1-NE2
IC807	51T65641Y01	PQ070XZ02Z-L -NE5
IC808	51T25259Y03	BA00ASFP-E2 -NE5
IC809	51T45659Y02	BA00BC0WFP-E2 -NE5
IC811	51T65666Y02	NJM2880U33-TE1 -NE2
IC812	51-01520Z01	PQ012FZ01ZPH -NE5
IC813	51T45659Y02	BA00BC0WFP-E2 -NE5
IC815	51T25183Y02	TC7SET08FU-EL -CP
IC901	51T15549Y01	NJM2286V-TE1 -SE2
IC902	51T65190Y01	NJM2268V-TE1 -SE2
IC903	51T75388Y01	TK15445L-L -SE2
L101	24T55488Y18	IND,LLQ1608 R022J-CP
L102	24T55488Y23	IND,LLQ1608 R036J-CP
L103	24T65645Y01	IND,LLM3225 4R7J -CP
L104	24T16403W29	COI,IND.15R-M -CP

L105	24T95458W07	FBI,BLM31PG601SH1-CP
L106	24T65418Y03	IND,NLV25T 2R2J -CP
L107	24T65418Y03	IND,NLV25T 2R2J -CP
L108	24T95457W15	FBI,BLM21AG601SH1-CP
L110	24T95457W15	FBI,BLM21AG601SH1-CP
L111	24T95457W15	FBI,BLM21AG601SH1-CP
L112	24T95457W15	FBI,BLM21AG601SH1-CP
L115	24T95457W15	FBI,BLM21AG601SH1-CP
L119	24S45108Y08	IND,MA1608 R22K -CP
L201	24T65110W28	IND,LK2125 10RK -CP
L260	24S45108Y08	IND,MA1608 R22K -CP
L901	24T35246Y01	IND,LEM2520 15RJ -CP
L902	24T35246Y01	IND,LEM2520 15RJ -CP
L903	24T65110W28	IND,LK2125 10RK -CP
L904	24T65110W28	IND,LK2125 10RK -CP
L905	24T65110W26	IND,LK2125 6R8K -CP
L906	24T65110W26	IND,LK2125 6R8K -CP
LD501	48T65477W05	LED,SML-010DTT87 -CP
LD502	48T65477W05	LED,SML-010DTT87 -CP
Q201	48T25317Y01	TR,XN0F256-TX -CP
Q202	48T25317Y01	TR,XN0F256-TX -CP
Q203	48T25317Y01	TR,XN0F256-TX -CP
Q205	48T62967F03	TR,DTC124EKA-T146-CP
Q206	48T75205Y01	TR,FMC2A-T148 -CP
Q207	48T62967F03	TR,DTC124EKA-T146-CP
Q208	48T75205Y01	TR,FMC2A-T148 -CP
Q501	48T62967F06	TR,DTC114YKA-T146-CP
Q502	48T35548Y04	TR,2SB710A-S-TX -CP
Q503	48T35548Y04	TR,2SB710A-S-TX -CP
Q504	48T62967F06	TR,DTC114YKA-T146-CP
Q505	48T62967F05	TR,DTC143XKA-T146-CP
Q601	48T62966F01	TR,DTA143EKA-T146-CP
Q602	48T62966F01	TR,DTA143EKA-T146-CP
Q701	48T75205Y02	TR,FMC3A-T148 -CP
Q702	48T93828F04	TR,2SD1994A-S-TA -RD
Q703	48T93828F04	TR,2SD1994A-S-TA -RD
Q704	48T75205Y02	TR,FMC3A-T148 -CP
Q705	48T62966F02	TR,DTA114EKA-T146-CP
Q706	48T62967F02	TR,DTC114EKA-T146-CP
Q707	48T63419F01	TR ,CP.2SA1036K -96
Q708	48T65619Y01	FET,HN1K06FU-85L -CP
Q709	48T75205Y01	TR,FMC2A-T148 -CP
Q710	48T75205Y01	TR,FMC2A-T148 -CP
Q711	48T62967F02	TR,DTC114EKA-T146-CP
Q800	48T75205Y01	TR,FMC2A-T148 -CP
Q801	48T75205Y01	TR,FMC2A-T148 -CP
Q802	48T62966F01	TR,DTA143EKA-T146-CP
Q803	48T75205Y01	TR,FMC2A-T148 -CP
Q804	48T75205Y01	TR,FMC2A-T148 -CP
Q805	48T62967F03	TR,DTC124EKA-T146-CP
Q806	48T62966F23	TR,DTA123YKA-T146-CP
Q807	48T62967F03	TR,DTC124EKA-T146-CP
Q808	48T84366F05	TR,2SB1243-R-TV2 -RD
Q809	48T62967F25	TR,DTC123JKA-T146-CP
Q812	48T65619Y01	FET,HN1K06FU-85L -CP
Q901	48T63420F01	TR,2SA1037AK-146 -CP
Q902	48T63420F01	TR,2SA1037AK-146 -CP

Q903	48T25317Y01	TR,XN0F256-TX -CP
R101	06S70072F05	RES,CP .10R-J-1/4-CP
R104	06S55366Y39	RES,RK JUMPER1/10-CP
R105	06S55366Y39	RES,RK JUMPER1/10-CP
R109	06S55366Y06	RES,RK 473J 1/10 -CP
R118	06S55365Y41	RES,RK 101J 1/10 -CP
R119	06S55365Y41	RES,RK 101J 1/10 -CP
R125	06S15593Y85	RES,RK 333F 1/10 -CP
R126	06S15593Y77	RES,RK 153F 1/10 -CP
R127	06S15593Y85	RES,RK 333F 1/10 -CP
R128	06S15593Y77	RES,RK 153F 1/10 -CP
R129	06S15593Y85	RES,RK 333F 1/10 -CP
R130	06S15593Y77	RES,RK 153F 1/10 -CP
R131	06S15593Y85	RES,RK 333F 1/10 -CP
R132	06S15593Y77	RES,RK 153F 1/10 -CP
R133	06S55365Y97	RES,RK 223J 1/10 -CP
R134	06S55365Y97	RES,RK 223J 1/10 -CP
R144	06S55365Y41	RES,RK 101J 1/10 -CP
R145	06S55365Y41	RES,RK 101J 1/10 -CP
R154	06S55365Y51	RES,RK 271J 1/10 -CP
R155	06S55365Y41	RES,RK 101J 1/10 -CP
R157	06S55366Y06	RES,RK 473J 1/10 -CP
R158	06S55366Y06	RES,RK 473J 1/10 -CP
R159	06S55366Y06	RES,RK 473J 1/10 -CP
R160	06S55365Y41	RES,RK 101J 1/10 -CP
R161	06S55365Y41	RES,RK 101J 1/10 -CP
R162	06S55365Y41	RES,RK 101J 1/10 -CP
R163	06S55365Y41	RES,RK 101J 1/10 -CP
R167	06S55365Y89	RES,RK 103J 1/10 -CP
R168	06S55365Y89	RES,RK 103J 1/10 -CP
R169	06S55365Y89	RES,RK 103J 1/10 -CP
R170	06S55365Y89	RES,RK 103J 1/10 -CP
R173	06S55365Y41	RES,RK 101J 1/10 -CP
R174	06S55366Y06	RES,RK 473J 1/10 -CP
R175	06S55366Y06	RES,RK 473J 1/10 -CP
R176	06S55365Y43	RES,RK 121J 1/10 -CP
R177	06S55365Y65	RES,RK 102J 1/10 -CP
R201	06S15593Y69	RES,RK 682F 1/10 -CP
R202	06S15593Y73	RES,RK 103F 1/10 -CP
R203	06S15593Y77	RES,RK 153F 1/10 -CP
R204	06S55365Y41	RES,RK 101J 1/10 -CP
R205	06S55365Y41	RES,RK 101J 1/10 -CP
R207	06S55366Y11	RES,RK 753J 1/10 -CP
R208	06S55366Y11	RES,RK 753J 1/10 -CP
R209	06S55365Y73	RES,RK 222J 1/10 -CP
R210	06S55365Y73	RES,RK 222J 1/10 -CP
R211	06S55361Y49	RES,RK 221J 1/4 -CP
R212	06S55361Y49	RES,RK 221J 1/4 -CP
R213	06S55361Y41	RES,RK 101J 1/4 -CP
R214	06S55361Y41	RES,RK 101J 1/4 -CP
R215	06S55366Y11	RES,RK 753J 1/10 -CP
R216	06S55366Y11	RES,RK 753J 1/10 -CP
R217	06S55365Y73	RES,RK 222J 1/10 -CP
R218	06S55365Y73	RES,RK 222J 1/10 -CP
R219	06S55361Y49	RES,RK 221J 1/4 -CP
R220	06S55361Y49	RES,RK 221J 1/4 -CP
R221	06S55361Y41	RES,RK 101J 1/4 -CP

R222	06S55361Y41	RES,RK 101J 1/4 -CP
R223	06S55366Y11	RES,RK 753J 1/10 -CP
R224	06S55366Y11	RES,RK 753J 1/10 -CP
R225	06S55365Y73	RES,RK 222J 1/10 -CP
R226	06S55365Y73	RES,RK 222J 1/10 -CP
R227	06S55361Y49	RES,RK 221J 1/4 -CP
R228	06S55361Y49	RES,RK 221J 1/4 -CP
R229	06S55361Y41	RES,RK 101J 1/4 -CP
R230	06S55361Y41	RES,RK 101J 1/4 -CP
R231	06S55365Y89	RES,RK 103J 1/10 -CP
R232	06S55365Y41	RES,RK 101J 1/10 -CP
R233	06S55365Y89	RES,RK 103J 1/10 -CP
R234	06S55365Y65	RES,RK 102J 1/10 -CP
R238	06S55365Y41	RES,RK 101J 1/10 -CP
R239	06S55365Y41	RES,RK 101J 1/10 -CP
R240	06S55365Y41	RES,RK 101J 1/10 -CP
R242	06S15593Y83	RES,RK 273F 1/10 -CP
R243	06S15593Y97	RES,RK 104F 1/10 -CP
R245	06S55366Y39	RES,RK JUMPER1/10-CP
R248	06S55365Y92	RES,RK 133J 1/10 -CP
R252	06S55365Y13	RES,RK 6R8J 1/10 -CP
R253	06S55365Y81	RES,RK 472J 1/10 -CP
R254	06S55365Y45	RES,RK 151J 1/10 -CP
R255	06S55365Y82	RES,RK 512J 1/10 -CP
R256	06S55365Y45	RES,RK 151J 1/10 -CP
R257	06S55365Y82	RES,RK 512J 1/10 -CP
R258	06S55365Y57	RES,RK 471J 1/10 -CP
R260	06S45675W43	RES,RK JUMPER1/10-CP
R261	06S55365Y57	RES,RK 471J 1/10 -CP
R262	06S55365Y57	RES,RK 471J 1/10 -CP
R263	06S55365Y57	RES,RK 471J 1/10 -CP
R264	06S55365Y51	RES,RK 271J 1/10 -CP
R265	06S55365Y97	RES,RK 223J 1/10 -CP
R268	06S55365Y97	RES,RK 223J 1/10 -CP
R269	06S55365Y41	RES,RK 101J 1/10 -CP
R270	06S55366Y06	RES,RK 473J 1/10 -CP
R271	06S55365Y43	RES,RK 121J 1/10 -CP
R272	06S55365Y57	RES,RK 471J 1/10 -CP
R275	06S55365Y65	RES,RK 102J 1/10 -CP
R276	06S55365Y43	RES,RK 121J 1/10 -CP
R301	06S55365Y49	RES,RK 221J 1/10 -CP
R302	06S55365Y25	RES,RK 22RJ 1/10 -CP
R303	06S55365Y25	RES,RK 22RJ 1/10 -CP
R304	06S55365Y49	RES,RK 221J 1/10 -CP
R306	06S55365Y25	RES,RK 22RJ 1/10 -CP
R307	06S55365Y25	RES,RK 22RJ 1/10 -CP
R309	06S55365Y49	RES,RK 221J 1/10 -CP
R310	06S55365Y49	RES,RK 221J 1/10 -CP
R311	06S55365Y49	RES,RK 221J 1/10 -CP
R312	06S55365Y49	RES,RK 221J 1/10 -CP
R313	06S55365Y43	RES,RK 121J 1/10 -CP
R314	06S55365Y97	RES,RK 223J 1/10 -CP
R315	06S55365Y25	RES,RK 22RJ 1/10 -CP
R317	06S55365Y25	RES,RK 22RJ 1/10 -CP
R318	06S55365Y25	RES,RK 22RJ 1/10 -CP
R319	06S55365Y25	RES,RK 22RJ 1/10 -CP
R320	06S55365Y49	RES,RK 221J 1/10 -CP

R322	06S15593Y51	RES,RK 122F 1/10 -CP
R323	06S15593Y51	RES,RK 122F 1/10 -CP
R324	06S15593Y89	RES,RK 473F 1/10 -CP
R325	06S15593Y89	RES,RK 473F 1/10 -CP
R326	06S15593Y75	RES,RK 123F 1/10 -CP
R327	06S15593Y75	RES,RK 123F 1/10 -CP
R328	06S15593Y77	RES,RK 153F 1/10 -CP
R329	06S15593Y77	RES,RK 153F 1/10 -CP
R330	06S15593Y89	RES,RK 473F 1/10 -CP
R331	06S15593Y89	RES,RK 473F 1/10 -CP
R332	06S15593Y67	RES,RK 562F 1/10 -CP
R333	06S15593Y67	RES,RK 562F 1/10 -CP
R336	06S15593Y69	RES,RK 682F 1/10 -CP
R337	06S15593Y69	RES,RK 682F 1/10 -CP
R338	06S15593Y69	RES,RK 682F 1/10 -CP
R339	06S15593Y69	RES,RK 682F 1/10 -CP
R340	06S55363Y83	RES,RK 562J 1/8 -CP
R341	06S55363Y83	RES,RK 562J 1/8 -CP
R342	06S55366Y14	RES,RK 104J 1/10 -CP
R343	06S55366Y14	RES,RK 104J 1/10 -CP
R344	06S55361Y49	RES,RK 221J 1/4 -CP
R345	06S55361Y49	RES,RK 221J 1/4 -CP
R346	06S55361Y41	RES,RK 101J 1/4 -CP
R347	06S55361Y41	RES,RK 101J 1/4 -CP
R348	06S55366Y39	RES,RK JUMPER1/10-CP
R349	06S55366Y39	RES,RK JUMPER1/10-CP
R401	06S15593Y70	RES,RK 752F 1/10 -CP
R402	06S15593Y70	RES,RK 752F 1/10 -CP
R403	06S15593Y70	RES,RK 752F 1/10 -CP
R404	06S15593Y70	RES,RK 752F 1/10 -CP
R405	06S15593Y70	RES,RK 752F 1/10 -CP
R406	06S15593Y70	RES,RK 752F 1/10 -CP
R407	06S15593Y95	RES,RK 823F 1/10 -CP
R408	06S15593Y95	RES,RK 823F 1/10 -CP
R409	06S15593Y95	RES,RK 823F 1/10 -CP
R410	06S15593Y95	RES,RK 823F 1/10 -CP
R411	06S15593Y95	RES,RK 823F 1/10 -CP
R412	06S15593Y95	RES,RK 823F 1/10 -CP
R413	06S15593Y71	RES,RK 822F 1/10 -CP
R414	06S15593Y71	RES,RK 822F 1/10 -CP
R415	06S15593Y71	RES,RK 822F 1/10 -CP
R416	06S15593Y71	RES,RK 822F 1/10 -CP
R417	06S15593Y71	RES,RK 822F 1/10 -CP
R418	06S15593Y71	RES,RK 822F 1/10 -CP
R419	06S15593Y79	RES,RK 183F 1/10 -CP
R420	06S15593Y79	RES,RK 183F 1/10 -CP
R421	06S15593Y79	RES,RK 183F 1/10 -CP
R422	06S15593Y79	RES,RK 183F 1/10 -CP
R423	06S15593Y79	RES,RK 183F 1/10 -CP
R424	06S15593Y79	RES,RK 183F 1/10 -CP
R425	06S15594Y02	RES,RK 154F 1/10 -CP
R426	06S15594Y02	RES,RK 154F 1/10 -CP
R427	06S15594Y02	RES,RK 154F 1/10 -CP
R428	06S15594Y02	RES,RK 154F 1/10 -CP
R429	06S15594Y02	RES,RK 154F 1/10 -CP
R430	06S15594Y02	RES,RK 154F 1/10 -CP
R431	06S15593Y58	RES,RK 242F 1/10 -CP

R432	06S15593Y58	RES,RK 242F 1/10 -CP
R433	06S15593Y58	RES,RK 242F 1/10 -CP
R434	06S15593Y58	RES,RK 242F 1/10 -CP
R435	06S15593Y58	RES,RK 242F 1/10 -CP
R436	06S15593Y58	RES,RK 242F 1/10 -CP
R443	06S15593Y69	RES,RK 682F 1/10 -CP
R444	06S15593Y69	RES,RK 682F 1/10 -CP
R445	06S55365Y66	RES,RK 112J 1/10 -CP
R446	06S55365Y66	RES,RK 112J 1/10 -CP
R502	06S55364Y39	RES,RK JUMPER 1/8-CP
R503	06S55365Y57	RES,RK 471J 1/10 -CP
R505	06S55365Y97	RES,RK 223J 1/10 -CP
R506	06S55366Y06	RES,RK 473J 1/10 -CP
R507	06S55366Y06	RES,RK 473J 1/10 -CP
R508	06S55365Y81	RES,RK 472J 1/10 -CP
R509	06S55365Y81	RES,RK 472J 1/10 -CP
R510	06S55365Y41	RES,RK 101J 1/10 -CP
R511	06S55365Y41	RES,RK 101J 1/10 -CP
R512	06S55365Y81	RES,RK 472J 1/10 -CP
R513	06S55365Y81	RES,RK 472J 1/10 -CP
R514	06S55365Y49	RES,RK 221J 1/10 -CP
R515	06S55366Y06	RES,RK 473J 1/10 -CP
R516	06S55366Y06	RES,RK 473J 1/10 -CP
R517	06S55365Y97	RES,RK 223J 1/10 -CP
R518	06S55365Y81	RES,RK 472J 1/10 -CP
R519	06S55365Y81	RES,RK 472J 1/10 -CP
R520	06S55366Y06	RES,RK 473J 1/10 -CP
R521	06S55366Y06	RES,RK 473J 1/10 -CP
R522	06S55365Y97	RES,RK 223J 1/10 -CP
R523	06S55365Y41	RES,RK 101J 1/10 -CP
R524	06S55365Y41	RES,RK 101J 1/10 -CP
R525	06S55365Y41	RES,RK 101J 1/10 -CP
R526	06S55365Y41	RES,RK 101J 1/10 -CP
R527	06S55365Y41	RES,RK 101J 1/10 -CP
R528	06S55366Y39	RES,RK JUMPER1/10-CP
R530	06S15593Y77	RES,RK 153F 1/10 -CP
R532	06S55365Y89	RES,RK 103J 1/10 -CP
R533	06S55365Y89	RES,RK 103J 1/10 -CP
R535	06S55365Y98	RES,RK 243J 1/10 -CP
R536	06S55365Y59	RES,RK 561J 1/10 -CP
R537	06S55365Y89	RES,RK 103J 1/10 -CP
R538	06S55365Y97	RES,RK 223J 1/10 -CP
R539	06S55363Y89	RES,RK 103J 1/8 -CP
R540	06S55363Y91	RES,RK 123J 1/8 -CP
R541	06S55363Y65	RES,RK 102J 1/8 -CP
R542	06S55363Y65	RES,RK 102J 1/8 -CP
R543	06S55363Y65	RES,RK 102J 1/8 -CP
R544	06S55363Y65	RES,RK 102J 1/8 -CP
R545	06S55363Y65	RES,RK 102J 1/8 -CP
R546	06S55363Y65	RES,RK 102J 1/8 -CP
R547	06S55365Y98	RES,RK 243J 1/10 -CP
R548	06S55361Y75	RES,RK 272J 1/4 -CP
R550	06S55361Y51	RES,RK 271J 1/4 -CP
R551	06S55365Y41	RES,RK 101J 1/10 -CP
R552	06S55365Y41	RES,RK 101J 1/10 -CP
R553	06S55365Y41	RES,RK 101J 1/10 -CP
R554	06S55365Y41	RES,RK 101J 1/10 -CP

R555	06S55365Y41	RES,RK 101J 1/10 -CP
R556	06S55365Y41	RES,RK 101J 1/10 -CP
R557	06S55365Y41	RES,RK 101J 1/10 -CP
R560	06S55365Y41	RES,RK 101J 1/10 -CP
R561	06S55365Y29	RES,RK 33RJ 1/10 -CP
R562	06S55365Y29	RES,RK 33RJ 1/10 -CP
R563	06S55365Y29	RES,RK 33RJ 1/10 -CP
R564	06S55365Y29	RES,RK 33RJ 1/10 -CP
R565	06S55365Y29	RES,RK 33RJ 1/10 -CP
R566	06S55365Y29	RES,RK 33RJ 1/10 -CP
R567	06S55365Y29	RES,RK 33RJ 1/10 -CP
R568	06S55365Y25	RES,RK 22RJ 1/10 -CP
R569	06S55365Y41	RES,RK 101J 1/10 -CP
R570	06S55365Y41	RES,RK 101J 1/10 -CP
R571	06S55366Y14	RES,RK 104J 1/10 -CP
R572	06S55365Y81	RES,RK 472J 1/10 -CP
R576	06S55365Y41	RES,RK 101J 1/10 -CP
R577	06S55365Y41	RES,RK 101J 1/10 -CP
R601	06S55361Y81	RES,RK 472J 1/4 -CP
R602	06S55361Y81	RES,RK 472J 1/4 -CP
R603	06S55366Y06	RES,RK 473J 1/10 -CP
R604	06S55361Y89	RES,RK 103J 1/4 -CP
R605	06S55366Y06	RES,RK 473J 1/10 -CP
R606	06S55361Y89	RES,RK 103J 1/4 -CP
R607	06S55361Y47	RES,RK 181J 1/4 -CP
R608	06S55361Y47	RES,RK 181J 1/4 -CP
R701	06S55361Y55	RES,RK 391J 1/4 -CP
R702	06S55361Y01	RES,RK 2R2J 1/4 -CP
R703	06S55361Y01	RES,RK 2R2J 1/4 -CP
R704	06S55361Y29	RES,RK 33RJ 1/4 -CP
R705	06S55361Y29	RES,RK 33RJ 1/4 -CP
R706	06S55361Y29	RES,RK 33RJ 1/4 -CP
R707	06S55361Y29	RES,RK 33RJ 1/4 -CP
R708	06S55361Y29	RES,RK 33RJ 1/4 -CP
R709	06S55361Y29	RES,RK 33RJ 1/4 -CP
R711	06S55365Y81	RES,RK 472J 1/10 -CP
R713	06S55365Y85	RES,RK 682J 1/10 -CP
R714	06S55365Y65	RES,RK 102J 1/10 -CP
R715	06S55361Y17	RES,RK 10RJ 1/4 -CP
R716	06S55361Y46	RES,RK 161J 1/4 -CP
R717	06S55361Y46	RES,RK 161J 1/4 -CP
R718	06S55361Y46	RES,RK 161J 1/4 -CP
R719	06S55361Y46	RES,RK 161J 1/4 -CP
R720	06S55365Y73	RES,RK 222J 1/10 -CP
R721	06S55365Y69	RES,RK 152J 1/10 -CP
R722	06S55365Y69	RES,RK 152J 1/10 -CP
R723	06S55365Y73	RES,RK 222J 1/10 -CP
R724	06S55361Y17	RES,RK 10RJ 1/4 -CP
R725	06S55365Y98	RES,RK 243J 1/10 -CP
R726	06S55365Y65	RES,RK 102J 1/10 -CP
R740	06S55365Y41	RES,RK 101J 1/10 -CP
R741	06S55365Y41	RES,RK 101J 1/10 -CP
R742	06S15593Y80	RES,RK 203F 1/10 -CP
R743	06S15593Y80	RES,RK 203F 1/10 -CP
R744	06S55361Y63	RES,RK 821J 1/4 -CP
R745	06S55361Y63	RES,RK 821J 1/4 -CP
R746	06S55365Y81	RES,RK 472J 1/10 -CP

R747	06S55365Y81	RES,RK 472J 1/10 -CP
R751	06S55365Y97	RES,RK 223J 1/10 -CP
R752	06S55365Y77	RES,RK 332J 1/10 -CP
R753	06S55361Y41	RES,RK 101J 1/4 -CP
R800	06S55365Y79	RES,RK 392J 1/10 -CP
R801	06S55361Y81	RES,RK 472J 1/4 -CP
R802	06S55362Y22	RES,RK 224J 1/4 -CP
R803	06S35083Y44	RES,RK 393F 1/4 -CP
R804	06S55365Y41	RES,RK 101J 1/10 -CP
R805	06S55365Y41	RES,RK 101J 1/10 -CP
R806	06S55365Y69	RES,RK 152J 1/10 -CP
R807	06S55365Y97	RES,RK 223J 1/10 -CP
R808	06S55365Y97	RES,RK 223J 1/10 -CP
R809	06S55365Y97	RES,RK 223J 1/10 -CP
R810	06S55365Y97	RES,RK 223J 1/10 -CP
R811	06S15593Y63	RES,RK 392F 1/10 -CP
R812	06S15593Y77	RES,RK 153F 1/10 -CP
R813	06S55365Y65	RES,RK 102J 1/10 -CP
R814	06S55361Y89	RES,RK 103J 1/4 -CP
R815	06S55365Y89	RES,RK 103J 1/10 -CP
R816	06S55361Y81	RES,RK 472J 1/4 -CP
R817	06S55361Y81	RES,RK 472J 1/4 -CP
R818	06S55361Y51	RES,RK 271J 1/4 -CP
R819	06S55361Y51	RES,RK 271J 1/4 -CP
R820	06S55361Y89	RES,RK 103J 1/4 -CP
R821	06S55364Y06	RES,RK 473J 1/8 -CP
R822	06S55363Y89	RES,RK 103J 1/8 -CP
R823	06S55361Y15	RES,RK 8R2J 1/4 -CP
R824	06S55361Y15	RES,RK 8R2J 1/4 -CP
R825	06S55361Y15	RES,RK 8R2J 1/4 -CP
R826	06S55361Y15	RES,RK 8R2J 1/4 -CP
R827	06S55363Y81	RES,RK 472J 1/8 -CP
R828	06S55363Y99	RES,RK 273J 1/8 -CP
R829	06S55361Y71	RES,RK 182J 1/4 -CP
R830	06S55361Y71	RES,RK 182J 1/4 -CP
R835	06S55362Y39	RES,RK JUMPER 1/4-CP
R836	06S55365Y97	RES,RK 223J 1/10 -CP
R837	06S55361Y89	RES,RK 103J 1/4 -CP
R838	06S15593Y81	RES,RK 223F 1/10 -CP
R839	06S15593Y39	RES,RK 391F 1/10 -CP
R840	06S15593Y56	RES,RK 202F 1/10 -CP
R841	06S55365Y65	RES,RK 102J 1/10 -CP
R842	06S15593Y79	RES,RK 183F 1/10 -CP
R843	06S15593Y27	RES,RK 121F 1/10 -CP
R844	06S15593Y59	RES,RK 272F 1/10 -CP
R845	06S55365Y65	RES,RK 102J 1/10 -CP
R846	06S55365Y41	RES,RK 101J 1/10 -CP
R847	06S55365Y81	RES,RK 472J 1/10 -CP
R848	06S55365Y81	RES,RK 472J 1/10 -CP
R849	06S55365Y41	RES,RK 101J 1/10 -CP
R850	06S55365Y41	RES,RK 101J 1/10 -CP
R851	06S55365Y82	RES,RK 512J 1/10 -CP
R852	06S15593Y63	RES,RK 392F 1/10 -CP
R853	06S15593Y84	RES,RK 303F 1/10 -CP
R854	06S55365Y83	RES,RK 562J 1/10 -CP
R855	06S15593Y46	RES,RK 751F 1/10 -CP
R856	06S55365Y84	RES,RK 622J 1/10 -CP

R857	06S15593Y70	RES,RK 752F 1/10 -CP
R858	06S55366Y39	RES,RK JUMPER1/10-CP
R859	06S15593Y58	RES,RK 242F 1/10 -CP
R860	06S55365Y85	RES,RK 682J 1/10 -CP
R861	06S15593Y75	RES,RK 123F 1/10 -CP
R862	06S55365Y83	RES,RK 562J 1/10 -CP
R863	06S15593Y53	RES,RK 152F 1/10 -CP
R864	06S15593Y71	RES,RK 822F 1/10 -CP
R871	06S55365Y82	RES,RK 512J 1/10 -CP
R872	06S15593Y69	RES,RK 682F 1/10 -CP
R874	06S15593Y56	RES,RK 202F 1/10 -CP
R875	06S15593Y80	RES,RK 203F 1/10 -CP
R901	06S55366Y38	RES,RK 105J 1/10 -CP
R902	06S55366Y38	RES,RK 105J 1/10 -CP
R903	06S55366Y38	RES,RK 105J 1/10 -CP
R904	06S55366Y38	RES,RK 105J 1/10 -CP
R905	06S55365Y65	RES,RK 102J 1/10 -CP
R906	06S55365Y41	RES,RK 101J 1/10 -CP
R907	06S55365Y41	RES,RK 101J 1/10 -CP
R908	06S55365Y57	RES,RK 471J 1/10 -CP
R909	06S55365Y57	RES,RK 471J 1/10 -CP
R910	06S55365Y57	RES,RK 471J 1/10 -CP
R911	06S55365Y57	RES,RK 471J 1/10 -CP
R912	06S55366Y38	RES,RK 105J 1/10 -CP
R913	06S55366Y38	RES,RK 105J 1/10 -CP
R914	06S55361Y37	RES,RK 68RJ 1/4 -CP
R916	06S55361Y37	RES,RK 68RJ 1/4 -CP
R922	06S55366Y39	RES,RK JUMPER1/10-CP
R923	06S55361Y37	RES,RK 68RJ 1/4 -CP
R925	06S55366Y38	RES,RK 105J 1/10 -CP
R926	06S55366Y38	RES,RK 105J 1/10 -CP
RA101	06S45591W02	RES,ARY MNR473J 4-CP
RA102	06S45591W02	RES,ARY MNR473J 4-CP
RA103	06S45591W02	RES,ARY MNR473J 4-CP
RA105	06S45591W02	RES,ARY MNR473J 4-CP
RA109	06S45591W16	RES,ARY MNR223J 4-CP
RA110	06S45591W16	RES,ARY MNR223J 4-CP
RA201	06S45591W07	RES,ARY MNR101J 4-CP
RA501	06S45591W07	RES,ARY MNR101J 4-CP
RA502	06S45591W07	RES,ARY MNR101J 4-CP
RA503	06S45591W07	RES,ARY MNR101J 4-CP
RA504	06S45591W07	RES,ARY MNR101J 4-CP
RA508	06S45591W07	RES,ARY MNR101J 4-CP
RA509	06S45591W07	RES,ARY MNR101J 4-CP
RA510	06S45591W07	RES,ARY MNR101J 4-CP
RA511	06S45591W07	RES,ARY MNR101J 4-CP
RA513	06S45591W07	RES,ARY MNR101J 4-CP
RA514	06S45591W07	RES,ARY MNR101J 4-CP
RA516	06S45591W07	RES,ARY MNR101J 4-CP
RA517	06S45591W07	RES,ARY MNR101J 4-CP
RA518	06S45591W07	RES,ARY MNR101J 4-CP
RA519	06S45591W07	RES,ARY MNR101J 4-CP
RA520	06S45591W07	RES,ARY MNR101J 4-CP
RA521	06S45591W15	RES,ARY MNR472J 4-CP
RA701	06S45591W06	RES,ARY MNR102J 4-CP
SA101	48-00954Z01	VST,CSA30C201M-T -CP
SW503	40T45557Y01	SW,SLIDE SSAC120100

TH501	48T65058Y10	TMT,TH11-4H104GT -CP
VT101	24T35286Y01	IND,MG56 523J -DB
XL101	91T55274Y19	XTL,NX5032GA 41.6-E2
XL501	91T45637Y02	XTL,CMR309T 4.91M-E9
XL701	91T25806W12	XTL,AT-51 4.000M -R5
Z111	91T65112W04	EMI,BK2125HS601 -CP
Z114	91T15509Y08	EMI,BK1608HM102 -CP
Z115	91T15509Y08	EMI,BK1608HM102 -CP
Z116	91T15509Y08	EMI,BK1608HM102 -CP
Z117	91T15509Y08	EMI,BK1608HM102 -CP
Z601	91T75198W05	EMI,NFE61PT472C1H-E1
ZD601	48T84735F05	DIO,ZEN.MA3051-M -CP
ZD602	48T84735F05	DIO,ZEN.MA3051-M -CP
ZD701	48T25766W39	DIO,ZEN.HZS12B1L -R5
ZD702	48T62934F11	DIO,ZEN RD3.9MB2 -CP
ZD711	48T84735F18	DIO,ZEN.MA3075-H -CP
ZD712	48T84735F18	DIO,ZEN.MA3075-H -CP
ZD713	48T15541Y52	DIO,ZEN MAZS0560M-CP
ZD801	48T25064Y02	DIO,ZEN ZSH5MA27A-ED
ZD802	48T62934F29	DIO,ZEN.RD6.8MB3 -CP

=======FRONT P.W.Board

C4401	08S35374W01	CAP,CER 104K-B1E-CP
C4402	08S35374W01	CAP,CER 104K-B1E-CP
C4405	08S35349Y08	CAP,CER 102K-B1H -CP
C4406	08S35349Y12	CAP,CER 105K-B0J -CP
C4501	08S35374W12	CAP,CER 106K-B0J -CP
C4502	08S35374W12	CAP,CER 106K-B0J -CP
C4503	08S35374W12	CAP,CER 106K-B0J -CP
C4504	08S35374W11	CAP,CER 475K-B0J -CP
C4506	08S35374W12	CAP,CER 106K-B0J -CP
C4507	08S35374W12	CAP,CER 106K-B0J -CP
C4508	08S45677W18	CAP,CER.18RJ-CH1H-CP
C4509	08S45677W18	CAP,CER.18RJ-CH1H-CP
C4601	08S65128F78	CAP,CER.223K-B1H -CP
C4602	08S35374W12	CAP,CER 106K-B0J -CP
C4603	08S35374W12	CAP,CER 106K-B0J -CP
C4604	08S65128F78	CAP,CER.223K-B1H -CP
C4605	08S35374W12	CAP,CER 106K-B0J -CP
C4606	08S35374W12	CAP,CER 106K-B0J -CP
C4607	08S45676W85	CAP,CER 104K-B1C -CP
C4609	08S45676W85	CAP,CER 104K-B1C -CP
C4610	08S35374W12	CAP,CER 106K-B0J -CP
C4801	08S35349Y16	CAP,CER 105K-B1A -CP
C4802	08S45232Y11	CAP,CER 103K-B1C -CP
C4803	08S35374W12	CAP,CER 106K-B0J -CP
C4804	08S45676W85	CAP,CER 104K-B1C -CP
C4805	08S35350Y04	CAP,CER 105K-B1C -CP
C4806	08S35349Y16	CAP,CER 105K-B1A -CP
C4807	08S35349Y08	CAP,CER 102K-B1H -CP
CB4401	09T15107Y08	FFC,52745-0890 -E9
CB4601	09T45442Y30	FFC,54104-3092 -EQ
D4401	48T85357W01	DIO,1PS226 -CP
D4402	48T85357W01	DIO,1PS226 -CP
D4403	48T85357W01	DIO,1PS226 -CP
D4404	48T85357W01	DIO,1PS226 -CP
D4405	48T85357W01	DIO,1PS226 -CP

D4406	48T85357W01	DIO,1PS226 -CP
D4407	48T85357W01	DIO,1PS226 -CP
D4408	48T94471F04	DIO,IMN10-T108 -CP
D4409	48T15707Y01	DIO,MA133-TX -CP
D4410	48T15707Y01	DIO,MA133-TX -CP
D4411	48T15707Y01	DIO,MA133-TX -CP
D4412	48T15707Y01	DIO,MA133-TX -CP
D4413	48T15707Y01	DIO,MA133-TX -CP
D4414	48T15707Y01	DIO,MA133-TX -CP
D4415	48T15707Y01	DIO,MA133-TX -CP
D4416	48T15707Y01	DIO,MA133-TX -CP
D4417	48T15707Y01	DIO,MA133-TX -CP
D4418	48T15707Y01	DIO,MA133-TX -CP
D4419	48T15707Y01	DIO,MA133-TX -CP
D4420	48T15707Y01	DIO,MA133-TX -CP
D4422	48T15707Y01	DIO,MA133-TX -CP
IC4401	51T75189Y01	NJU6060V-TE1 -SE2
IC4402	51-01707Z01	RS-771 -NE2
IC4501	53-07956Z50	OFL,V099HAAR401A_F
IC4601	53-07407Z65	OFL,V090HAAR401A_EX2
IC4602	53-07407Z64	OFL,V085HAAR401A_EX1
IC4603	51-01387Z01	S1D13701F0A1000 -QT
IC4801	51T65666Y03	NJM2880U1-05-TE1-NE2
IC4802	51T55184Y02	TAR5S18-TE85L -CP
LD4401	48T75183Y01	LED,R/G/B 1304B -CP
LD4402	48T25534Y02	LED,RED BR1111C -CP
LD4403	48T25534Y02	LED,RED BR1111C -CP
LD4404	48T25534Y02	LED,RED BR1111C -CP
LD4405	48T25534Y02	LED,RED BR1111C -CP
LD4406	48T25534Y02	LED,RED BR1111C -CP
LD4407	48T25534Y02	LED,RED BR1111C -CP
LD4408	48T25534Y02	LED,RED BR1111C -CP
LD4409	48T25534Y02	LED,RED BR1111C -CP
LD4410	48T25534Y02	LED,RED BR1111C -CP
LD4411	48T25534Y02	LED,RED BR1111C -CP
LD4412	48T25534Y02	LED,RED BR1111C -CP
LD4413	48T25534Y02	LED,RED BR1111C -CP
LD4414	48T25534Y02	LED,RED BR1111C -CP
LD4415	48T25534Y02	LED,RED BR1111C -CP
LD4416	48T25534Y02	LED,RED BR1111C -CP
LD4417	48T25534Y02	LED,RED BR1111C -CP
LD4418	48T75013Y01	LED,WHT UW1141C -CP
LD4419	48T75013Y01	LED,WHT UW1141C -CP
LD4420	48T75013Y01	LED,WHT UW1141C -CP
LD4421	48T75013Y01	LED,WHT UW1141C -CP
LD4422	48T75013Y01	LED,WHT UW1141C -CP
LD4423	48T75013Y01	LED,WHT UW1141C -CP
LD4424	48T75013Y01	LED,WHT UW1141C -CP
LD4425	48T75013Y01	LED,WHT UW1141C -CP
LD4426	48T75013Y01	LED,WHT UW1141C -CP
LD4427	48T75013Y01	LED,WHT UW1141C -CP
LD4428	48T75013Y01	LED,WHT UW1141C -CP
LD4429	48T75013Y01	LED,WHT UW1141C -CP
LD4430	48T75013Y01	LED,WHT UW1141C -CP
LD4431	48T75013Y01	LED,WHT UW1141C -CP
LD4432	48T75013Y01	LED,WHT UW1141C -CP
LD4433	48T75013Y01	LED,WHT UW1141C -CP

LD4434	48T25534Y02	LED,RED BR1111C -CP
Q4401	48T75366Y07	TR,FMC3-T148 -CP
Q4402	48T75366Y07	TR,FMC3-T148 -CP
Q4403	48T63417F01	TR ,CP.2SC2412K -96
Q4404	48T63417F01	TR ,CP.2SC2412K -96
Q4405	48T63417F01	TR ,CP.2SC2412K -96
Q4406	48T63788F04	TR ,CP.2SD1328-T -TX
Q4407	48T63788F04	TR ,CP.2SD1328-T -TX
Q4408	48T63788F04	TR ,CP.2SD1328-T -TX
Q4409	48T64222F01	TR ,UN2211 10-10 -TX
Q4601	48T62967F05	TR,DTC143XKA-T146-CP
Q4602	48T35548Y04	TR,2SB710A-S-TX -CP
Q4603	48T62967F05	TR,DTC143XKA-T146-CP
Q4604	48T35548Y04	TR,2SB710A-S-TX -CP
R4401	06S55365Y65	RES,RK 102J 1/10 -CP
R4402	06S55365Y65	RES,RK 102J 1/10 -CP
R4403	06S55365Y65	RES,RK 102J 1/10 -CP
R4404	06S55365Y65	RES,RK 102J 1/10 -CP
R4405	06S55365Y65	RES,RK 102J 1/10 -CP
R4406	06S55365Y65	RES,RK 102J 1/10 -CP
R4407	06S55365Y65	RES,RK 102J 1/10 -CP
R4408	06S55365Y65	RES,RK 102J 1/10 -CP
R4409	06S55365Y65	RES,RK 102J 1/10 -CP
R4410	06S55365Y65	RES,RK 102J 1/10 -CP
R4411	06S55365Y65	RES,RK 102J 1/10 -CP
R4412	06S55365Y97	RES,RK 223J 1/10 -CP
R4413	06S55364Y22	RES,RK 224J 1/8 -CP
R4414	06S55361Y50	RES,RK 241J 1/4 -CP
R4415	06S55361Y51	RES,RK 271J 1/4 -CP
R4416	06S55361Y53	RES,RK 331J 1/4 -CP
R4417	06S55366Y06	RES,RK 473J 1/10 -CP
R4418	06S55361Y47	RES,RK 181J 1/4 -CP
R4419	06S55361Y39	RES,RK 82RJ 1/4 -CP
R4420	06S55365Y97	RES,RK 223J 1/10 -CP
R4421	06S55365Y97	RES,RK 223J 1/10 -CP
R4422	06S55365Y97	RES,RK 223J 1/10 -CP
R4423	06S55365Y97	RES,RK 223J 1/10 -CP
R4424	06S55365Y97	RES,RK 223J 1/10 -CP
R4425	06S55365Y97	RES,RK 223J 1/10 -CP
R4426	06S55365Y73	RES,RK 222J 1/10 -CP
R4427	06S55365Y73	RES,RK 222J 1/10 -CP
R4428	06S55366Y06	RES,RK 473J 1/10 -CP
R4429	06S55365Y65	RES,RK 102J 1/10 -CP
R4430	06S55365Y45	RES,RK 151J 1/10 -CP
R4431	06S55365Y45	RES,RK 151J 1/10 -CP
R4432	06S55365Y54	RES,RK 361J 1/10 -CP
R4434	06S55365Y61	RES,RK 681J 1/10 -CP
R4435	06S55365Y61	RES,RK 681J 1/10 -CP
R4436	06S55365Y54	RES,RK 361J 1/10 -CP
R4437	06S55365Y65	RES,RK 102J 1/10 -CP
R4438	06S55365Y61	RES,RK 681J 1/10 -CP
R4439	06S55365Y65	RES,RK 102J 1/10 -CP
R4440	06S55365Y65	RES,RK 102J 1/10 -CP
R4441	06S55365Y65	RES,RK 102J 1/10 -CP
R4444	06S55365Y73	RES,RK 222J 1/10 -CP
R4445	06S55365Y73	RES,RK 222J 1/10 -CP
R4446	06S55365Y73	RES,RK 222J 1/10 -CP

R4447	06S55365Y65	RES,RK 102J 1/10 -CP
R4448	06S55365Y73	RES,RK 222J 1/10 -CP
R4449	06S55365Y73	RES,RK 222J 1/10 -CP
R4450	06S55365Y73	RES,RK 222J 1/10 -CP
R4451	06S55365Y65	RES,RK 102J 1/10 -CP
R4452	06S55365Y51	RES,RK 271J 1/10 -CP
R4453	06S55365Y51	RES,RK 271J 1/10 -CP
R4454	06S55361Y87	RES,RK 822J 1/4 -CP
R4455	06S55365Y65	RES,RK 102J 1/10 -CP
R4457	06S55363Y65	RES,RK 102J 1/8 -CP
R4458	06S55363Y65	RES,RK 102J 1/8 -CP
R4459	06S55363Y65	RES,RK 102J 1/8 -CP
R4460	06S55363Y65	RES,RK 102J 1/8 -CP
R4461	06S55363Y65	RES,RK 102J 1/8 -CP
R4462	06S55365Y41	RES,RK 101J 1/10 -CP
R4501	06S55366Y14	RES,RK 104J 1/10 -CP
R4502	06S55366Y14	RES,RK 104J 1/10 -CP
R4503	06S55366Y14	RES,RK 104J 1/10 -CP
R4505	06S55366Y14	RES,RK 104J 1/10 -CP
R4506	06S55365Y57	RES,RK 471J 1/10 -CP
R4507	06S55365Y97	RES,RK 223J 1/10 -CP
R4508	06S55365Y97	RES,RK 223J 1/10 -CP
R4509	06S55365Y97	RES,RK 223J 1/10 -CP
R4510	06S55365Y97	RES,RK 223J 1/10 -CP
R4511	06S55363Y65	RES,RK 102J 1/8 -CP
R4512	06S55363Y65	RES,RK 102J 1/8 -CP
R4513	06S55365Y41	RES,RK 101J 1/10 -CP
R4514	06S55365Y97	RES,RK 223J 1/10 -CP
R4515	06S55365Y41	RES,RK 101J 1/10 -CP
R4516	06S55365Y41	RES,RK 101J 1/10 -CP
R4517	06S55365Y41	RES,RK 101J 1/10 -CP
R4518	06S55365Y41	RES,RK 101J 1/10 -CP
R4519	06S55365Y97	RES,RK 223J 1/10 -CP
R4520	06S55366Y14	RES,RK 104J 1/10 -CP
R4522	06S55365Y41	RES,RK 101J 1/10 -CP
R4523	06S55365Y41	RES,RK 101J 1/10 -CP
R4525	06S55365Y48	RES,RK 201J 1/10 -CP
R4526	06S55365Y41	RES,RK 101J 1/10 -CP
R4527	06S55365Y41	RES,RK 101J 1/10 -CP
R4529	06S55366Y14	RES,RK 104J 1/10 -CP
R4530	06S55366Y14	RES,RK 104J 1/10 -CP
R4536	06S55365Y48	RES,RK 201J 1/10 -CP
R4601	06S55365Y65	RES,RK 102J 1/10 -CP
R4602	06S55365Y65	RES,RK 102J 1/10 -CP
R4603	06S55365Y65	RES,RK 102J 1/10 -CP
R4604	06S55365Y97	RES,RK 223J 1/10 -CP
R4605	06S55365Y97	RES,RK 223J 1/10 -CP
R4606	06S55365Y97	RES,RK 223J 1/10 -CP
R4607	06S55365Y65	RES,RK 102J 1/10 -CP
R4608	06S55365Y98	RES,RK 243J 1/10 -CP
R4610	06S55365Y98	RES,RK 243J 1/10 -CP
R4612	06S55361Y49	RES,RK 221J 1/4 -CP
R4613	06S55361Y75	RES,RK 272J 1/4 -CP
R4614	06S55365Y65	RES,RK 102J 1/10 -CP
R4615	06S55365Y65	RES,RK 102J 1/10 -CP
R4616	06S55365Y65	RES,RK 102J 1/10 -CP
R4617	06S55365Y41	RES,RK 101J 1/10 -CP

R4618	06S55365Y97	RES,RK 223J 1/10 -CP
R4619	06S55365Y97	RES,RK 223J 1/10 -CP
R4620	06S55365Y97	RES,RK 223J 1/10 -CP
R4621	06S55365Y41	RES,RK 101J 1/10 -CP
R4622	06S55365Y97	RES,RK 223J 1/10 -CP
R4623	06S55365Y41	RES,RK 101J 1/10 -CP
R4624	06S55366Y39	RES,RK JUMPER1/10-CP
R4625	06S55365Y41	RES,RK 101J 1/10 -CP
R4626	06S55365Y41	RES,RK 101J 1/10 -CP
R4627	06S55365Y65	RES,RK 102J 1/10 -CP
R4628	06S55365Y97	RES,RK 223J 1/10 -CP
R4629	06S55365Y97	RES,RK 223J 1/10 -CP
R4630	06S55365Y97	RES,RK 223J 1/10 -CP
R4631	06S55366Y06	RES,RK 473J 1/10 -CP
R4632	06S55365Y48	RES,RK 201J 1/10 -CP
R4801	06S55365Y41	RES,RK 101J 1/10 -CP
R4803	06S55365Y41	RES,RK 101J 1/10 -CP
RA4401	06S45591W02	RES,ARY MNR473J 4-CP
RA4402	06S45591W06	RES,ARY MNR102J 4-CP
RA4403	06S45591W06	RES,ARY MNR102J 4-CP
RA4502	06S45591W06	RES,ARY MNR102J 4-CP
RA4503	06S45591W06	RES,ARY MNR102J 4-CP
RA4504	06S45591W06	RES,ARY MNR102J 4-CP
RA4506	06S45591W06	RES,ARY MNR102J 4-CP
RA4507	06S45591W07	RES,ARY MNR101J 4-CP
RA4508	06S45591W07	RES,ARY MNR101J 4-CP
RA4509	06S45591W07	RES,ARY MNR101J 4-CP
RA4510	06S45591W07	RES,ARY MNR101J 4-CP
RA4511	06S45591W07	RES,ARY MNR101J 4-CP
RA4512	06S45591W07	RES,ARY MNR101J 4-CP
RA4513	06S45591W07	RES,ARY MNR101J 4-CP
RA4514	06S45591W07	RES,ARY MNR101J 4-CP
RA4515	06S45591W07	RES,ARY MNR101J 4-CP
RA4516	06S45591W07	RES,ARY MNR101J 4-CP
RA4517	06S45591W07	RES,ARY MNR101J 4-CP
RA4518	06S45591W07	RES,ARY MNR101J 4-CP
RA4519	06S45591W07	RES,ARY MNR101J 4-CP
RA4520	06S45591W07	RES,ARY MNR101J 4-CP
RA4601	06S45591W07	RES,ARY MNR101J 4-CP
RA4602	06S45591W07	RES,ARY MNR101J 4-CP
RA4603	06S45591W07	RES,ARY MNR101J 4-CP
RA4604	06S45591W07	RES,ARY MNR101J 4-CP
RA4605	06S45591W07	RES,ARY MNR101J 4-CP
RA4606	06S45591W07	RES,ARY MNR101J 4-CP
RA4607	06S45591W07	RES,ARY MNR101J 4-CP
RA4608	06S45591W07	RES,ARY MNR101J 4-CP
RA4609	06S45591W07	RES,ARY MNR101J 4-CP
SW4401	40T65353Y01	SW,TACT SKRPACE010E2
SW4403	40T65353Y01	SW,TACT SKRPACE010E2
SW4405	40T65353Y01	SW,TACT SKRPACE010E2
SW4406	40T65353Y01	SW,TACT SKRPACE010E2
SW4407	40T65353Y01	SW,TACT SKRPACE010E2
SW4408	40T65353Y01	SW,TACT SKRPACE010E2
SW4409	40T65353Y01	SW,TACT SKRPACE010E2
SW4410	40T65353Y01	SW,TACT SKRPACE010E2
SW4411	40T65353Y01	SW,TACT SKRPACE010E2
SW4412	40T65353Y01	SW,TACT SKRPACE010E2

SW4413	40T65353Y01	SW,TACT SKRPACE010E2
SW4414	40T65353Y01	SW,TACT SKRPACE010E2
SW4415	40T65353Y01	SW,TACT SKRPACE010E2
SW4416	40T65353Y01	SW,TACT SKRPACE010E2
SW4417	40T65353Y01	SW,TACT SKRPACE010E2
XL4501	91T25713Y14	XTL,CX-5F 5.000M -E9
Z4501	91T15058Y07	EMI,NFE31PT222Z1E-CP
Z4601	91T45556Y06	EMI,NFM21HC102R1H-CP
Z4602	91T15058Y07	EMI,NFE31PT222Z1E-CP
Z4603	91T15058Y07	EMI,NFE31PT222Z1E-CP
Z4604	91T45556Y06	EMI,NFM21HC102R1H-CP

=======OELD P.W.Board

C4401	08S60102F48	CAP,CER 105K-B1E -CP
C4402	08T81833F10	CAP,CER 106K-B0J -CP
C4403	08S60102F48	CAP,CER 105K-B1E -CP
C4404	08S60102F48	CAP,CER 105K-B1E -CP
C4405	08S35374W12	CAP,CER 106K-B0J -CP
C4406	08S60102F48	CAP,CER 105K-B1E -CP
C4407	08S60102F48	CAP,CER 105K-B1E -CP
C4408	08S35374W12	CAP,CER 106K-B0J -CP
C4409	08S60102F48	CAP,CER 105K-B1E -CP
C4410	08S60102F48	CAP,CER 105K-B1E -CP
C4411	08S60102F48	CAP,CER 105K-B1E -CP
C4412	08T81833F10	CAP,CER 106K-B0J -CP
C4413	08S45677W36	CAP,CER.101J-CH1H-CP
C4414	08S60102F48	CAP,CER 105K-B1E -CP
C4415	08S35374W01	CAP,CER 104K-B1E-CP
C4418	08T81833F10	CAP,CER 106K-B0J -CP
C4419	08S45677W36	CAP,CER.101J-CH1H-CP
C4420	08S45677W36	CAP,CER.101J-CH1H-CP
C4421	08S45677W36	CAP,CER.101J-CH1H-CP
C4422	08S60102F48	CAP,CER 105K-B1E -CP
CB4401	09T45442Y30	FFC,54104-3092 -EQ
R4401	06S65415Y39	RES,RK 153F 1/16 -CP
R4402	06S65415Y39	RES,RK 153F 1/16 -CP
R4403	06S65415Y39	RES,RK 153F 1/16 -CP
R4404	06S55365Y41	RES,RK 101J 1/10 -CP
R4405	06S55365Y65	RES,RK 102J 1/10 -CP
R4406	06S55365Y41	RES,RK 101J 1/10 -CP
R4407	06S55365Y65	RES,RK 102J 1/10 -CP
R4408	06S55365Y41	RES,RK 101J 1/10 -CP
R4409	06S55365Y65	RES,RK 102J 1/10 -CP
R4410	06S55365Y65	RES,RK 102J 1/10 -CP
R4411	06S55365Y41	RES,RK 101J 1/10 -CP

=======OPT P.W.Board

C2001	08T81833F13	CAP,CER 106K-B1C -CP
C2002	08S45676W80	CAP,CER 223K-B1E -CP
ET2001	01T75451W22	ASSY,WIRE D-OUT 9965
R2001	06S55361Y87	RES,RK 822J 1/4 -CP

=======DV-MAIN P.W.Board

C501	08T81833F13	CAP,CER 106K-B1C -CP
C502	08T81833F13	CAP,CER 106K-B1C -CP
C503	08T81833F13	CAP,CER 106K-B1C -CP
C504	08S45232Y05	CAP,CER 102K-B1H -CP

C505	08T81833F13	CAP,CER 106K-B1C -CP
C506	08T81833F13	CAP,CER 106K-B1C -CP
C507	08T81833F13	CAP,CER 106K-B1C -CP
C508	08S45232Y05	CAP,CER 102K-B1H -CP
C509	08S45232Y05	CAP,CER 102K-B1H -CP
C510	08S45232Y05	CAP,CER 102K-B1H -CP
C511	08S45232Y11	CAP,CER 103K-B1C -CP
C512	08S45232Y05	CAP,CER 102K-B1H -CP
C513	08S45232Y05	CAP,CER 102K-B1H -CP
C514	08S45232Y11	CAP,CER 103K-B1C -CP
C516	08S65667Y05	CAP,CER 105KX5R1A-CP
C601	08S45232Y05	CAP,CER 102K-B1H -CP
C602	08S45232Y05	CAP,CER 102K-B1H -CP
C603	08S45232Y05	CAP,CER 102K-B1H -CP
C604	08S45232Y05	CAP,CER 102K-B1H -CP
C605	08S45232Y05	CAP,CER 102K-B1H -CP
C606	08S45232Y05	CAP,CER 102K-B1H -CP
C607	08S45232Y05	CAP,CER 102K-B1H -CP
C608	08S45232Y05	CAP,CER 102K-B1H -CP
C609	08S45232Y05	CAP,CER 102K-B1H -CP
C610	08S45232Y05	CAP,CER 102K-B1H -CP
C611	08S45232Y05	CAP,CER 102K-B1H -CP
C612	08S45232Y05	CAP,CER 102K-B1H -CP
C613	08S45232Y05	CAP,CER 102K-B1H -CP
C614	08S45676W87	CAP,CER 333K-B1E -CP
C615	08S45232Y17	CAP,CER 104K-B0J -CP
C616	08S45232Y17	CAP,CER 104K-B0J -CP
C617	08S45232Y17	CAP,CER 104K-B0J -CP
C618	08S45676W70	CAP,CER 562K-B1H -CP
C619	08S45676W79	CAP,CER 183K-B1E -CP
C620	08S45232Y17	CAP,CER 104K-B0J -CP
C621	08S45232Y17	CAP,CER 104K-B0J -CP
C622	08S45232Y17	CAP,CER 104K-B0J -CP
C623	08S45232Y17	CAP,CER 104K-B0J -CP
C624	08S45232Y05	CAP,CER 102K-B1H -CP
C625	08S45232Y17	CAP,CER 104K-B0J -CP
C626	08S45232Y17	CAP,CER 104K-B0J -CP
C627	08S45232Y17	CAP,CER 104K-B0J -CP
C631	08S35374W12	CAP,CER 106K-B0J -CP
C632	08S45232Y05	CAP,CER 102K-B1H -CP
C633	08S45232Y05	CAP,CER 102K-B1H -CP
C634	08S45232Y05	CAP,CER 102K-B1H -CP
C635	08S45232Y05	CAP,CER 102K-B1H -CP
C636	08S45232Y05	CAP,CER 102K-B1H -CP
C637	08S45232Y05	CAP,CER 102K-B1H -CP
C638	08S45232Y05	CAP,CER 102K-B1H -CP
C639	08S45232Y05	CAP,CER 102K-B1H -CP
C640	08S45232Y05	CAP,CER 102K-B1H -CP
C641	08S45232Y05	CAP,CER 102K-B1H -CP
C642	08S45232Y05	CAP,CER 102K-B1H -CP
C643	08S45232Y05	CAP,CER 102K-B1H -CP
C644	08S45232Y05	CAP,CER 102K-B1H -CP
C645	08S45232Y05	CAP,CER 102K-B1H -CP
C646	08S45232Y05	CAP,CER 102K-B1H -CP
C647	08S45232Y05	CAP,CER 102K-B1H -CP
C648	08S45232Y05	CAP,CER 102K-B1H -CP
C651	08S65670Y01	CAP,CER 106KX5R1C-CP

C652	08S65670Y01	CAP,CER 106KX5R1C-CP
C653	08S45232Y05	CAP,CER 102K-B1H -CP
C654	08S45232Y05	CAP,CER 102K-B1H -CP
C655	08S45232Y17	CAP,CER 104K-B0J -CP
C658	08S35374W12	CAP,CER 106K-B0J -CP
C671	08S45232Y11	CAP,CER 103K-B1C -CP
C672	08S45232Y17	CAP,CER 104K-B0J -CP
C673	08S45232Y17	CAP,CER 104K-B0J -CP
C674	08S45232Y17	CAP,CER 104K-B0J -CP
C675	08S45232Y17	CAP,CER 104K-B0J -CP
C676	08S45232Y17	CAP,CER 104K-B0J -CP
C677	08S45232Y17	CAP,CER 104K-B0J -CP
C678	08S45232Y17	CAP,CER 104K-B0J -CP
C679	08S45232Y17	CAP,CER 104K-B0J -CP
C680	08S35349Y16	CAP,CER 105K-B1A -CP
C681	08S35349Y16	CAP,CER 105K-B1A -CP
C682	08S45232Y17	CAP,CER 104K-B0J -CP
C683	08S45232Y17	CAP,CER 104K-B0J -CP
C684	08S45232Y17	CAP,CER 104K-B0J -CP
C685	08S45232Y17	CAP,CER 104K-B0J -CP
C688	08S45232Y07	CAP,CER 222K-B1H -CP
C689	08S45232Y07	CAP,CER 222K-B1H -CP
C690	08S45232Y11	CAP,CER 103K-B1C -CP
C691	08S45231Y23	CAP,CER 68RJ-CH1H-CP
C701	08S65670Y01	CAP,CER 106KX5R1C-CP
C702	08S65670Y01	CAP,CER 106KX5R1C-CP
C711	08S45232Y05	CAP,CER 102K-B1H -CP
C712	08S45232Y05	CAP,CER 102K-B1H -CP
C713	08S45232Y05	CAP,CER 102K-B1H -CP
C721	08S45232Y05	CAP,CER 102K-B1H -CP
C725	08S45232Y05	CAP,CER 102K-B1H -CP
C731	08S45232Y17	CAP,CER 104K-B0J -CP
C732	08S45232Y05	CAP,CER 102K-B1H -CP
C733	08S45232Y05	CAP,CER 102K-B1H -CP
C734	08S45232Y17	CAP,CER 104K-B0J -CP
C735	08S45232Y17	CAP,CER 104K-B0J -CP
C736	08S45232Y05	CAP,CER 102K-B1H -CP
C737	08S45232Y05	CAP,CER 102K-B1H -CP
C738	08S45232Y17	CAP,CER 104K-B0J -CP
C739	08S45232Y05	CAP,CER 102K-B1H -CP
C740	08S45232Y05	CAP,CER 102K-B1H -CP
C741	08S45232Y05	CAP,CER 102K-B1H -CP
C742	08S45232Y05	CAP,CER 102K-B1H -CP
C801	08T65555Y01	CAP,CER 226K-BJ0J-CP
C802	08T65555Y01	CAP,CER 226K-BJ0J-CP
C803	08S35349Y12	CAP,CER 105K-B0J -CP
C804	08S45676W80	CAP,CER 223K-B1E -CP
C811	08T65555Y01	CAP,CER 226K-BJ0J-CP
C812	08T65555Y01	CAP,CER 226K-BJ0J-CP
C813	08S35349Y12	CAP,CER 105K-B0J -CP
C814	08S45676W80	CAP,CER 223K-B1E -CP
C821	08S45232Y13	CAP,CER 223K-B1C -CP
C831	08S45232Y13	CAP,CER 223K-B1C -CP
C841	08S45232Y17	CAP,CER 104K-B0J -CP
C842	08T65555Y01	CAP,CER 226K-BJ0J-CP
C843	08S45232Y17	CAP,CER 104K-B0J -CP
C844	08T65555Y01	CAP,CER 226K-BJ0J-CP

C845	08S45232Y17	CAP,CER 104K-B0J -CP
C846	08S45232Y17	CAP,CER 104K-B0J -CP
C850	08S45232Y08	CAP,CER 332K-B1H -CP
C851	08S45232Y08	CAP,CER 332K-B1H -CP
C854	08S45232Y11	CAP,CER 103K-B1C -CP
C855	08S45232Y08	CAP,CER 332K-B1H -CP
C860	08T81833F13	CAP,CER 106K-B1C -CP
C861	08S45232Y17	CAP,CER 104K-B0J -CP
C862	08T81833F13	CAP,CER 106K-B1C -CP
C865	08S65668Y04	CAP,CER 104KX5R1A-CP
C866	08T81833F13	CAP,CER 106K-B1C -CP
C867	08T81833F13	CAP,CER 106K-B1C -CP
C868	08S35374W10	CAP,CER 225K-B1A -CP
C869	08S35374W10	CAP,CER 225K-B1A -CP
C870	08S65668Y04	CAP,CER 104KX5R1A-CP
C871	08S45232Y11	CAP,CER 103K-B1C -CP
C872	08S45232Y17	CAP,CER 104K-B0J -CP
C874	08S45232Y17	CAP,CER 104K-B0J -CP
C875	08S45232Y17	CAP,CER 104K-B0J -CP
C876	08S45232Y11	CAP,CER 103K-B1C -CP
C878	08S45232Y08	CAP,CER 332K-B1H -CP
C880	08T81833F13	CAP,CER 106K-B1C -CP
C881	08S45231Y25	CAP,CER 101J-CH1H-CP
C882	08S45677W40	CAP,CER.151J-CH1H-CP
C883	08S45677W40	CAP,CER.151J-CH1H-CP
C884	08S45231Y25	CAP,CER 101J-CH1H-CP
C885	08S45677W40	CAP,CER.151J-CH1H-CP
C886	08S45677W40	CAP,CER.151J-CH1H-CP
C901	08S65667Y05	CAP,CER 105KX5R1A-CP
C902	08S45232Y05	CAP,CER 102K-B1H -CP
C903	08S65667Y05	CAP,CER 105KX5R1A-CP
C904	08S45232Y17	CAP,CER 104K-B0J -CP
C908	08S45232Y05	CAP,CER 102K-B1H -CP
C909	08T81833F12	CAP,CER 106K-B1A -CP
C913	08S45232Y05	CAP,CER 102K-B1H -CP
C914	08S35349Y16	CAP,CER 105K-B1A -CP
C923	08S45232Y05	CAP,CER 102K-B1H -CP
C924	08S35349Y16	CAP,CER 105K-B1A -CP
C925	08S35374W12	CAP,CER 106K-B0J -CP
C926	08S65667Y05	CAP,CER 105KX5R1A-CP
CB501	09T45442Y45	FFC,54104-4592 -EQ
CB502	09T15107Y24	FFC,52435-2491 -ED
CB504	09T15107Y10	FFC,52745-1090 -E9
CB801	09T15107Y28	FFC,52435-2891 -ED
CB861	09T15107Y24	FFC,52435-2491 -ED
D601	48T25665Y01	DIO,1SS355-TE17 -CP
IC511	51T15185Y01	TC7SH08FU-TE85L -CP
IC512	51T35123Y01	TC7W14FK-TE85L -CP
IC601	51-00740Z02	MN35207UB -QT
IC711	51T75359Y01	TC74VHC573FT-EL -SE5
IC712	51T75359Y01	TC74VHC573FT-EL -SE5
IC713	51T15185Y01	TC7SH08FU-TE85L -CP
IC721	53-06971Z83	OFL,V1.0017DV37M150
IC725	51-00726Z01	MB85R256PFTN -ST
IC731	51-04096Z01	EDS6432AFTA-75TI -ST
IC861	51T55021Y02	BD7905BFS-E2 -SEE
L501	24T65689Y01	FBI,FBMJ2125HS420-CP

L502	24T65689Y01	FBI,FBMJ2125HS420-CP
L503	24T65689Y01	FBI,FBMJ2125HS420-CP
L601	24T95456W27	FBI,BLM18PG181SH1-CP
L604	24T95456W27	FBI,BLM18PG181SH1-CP
L605	24T95456W27	FBI,BLM18PG181SH1-CP
L841	24T25164Y25	IND,FSLM2520 10RJ-CP
L901	24T95456W27	FBI,BLM18PG181SH1-CP
L911	24T95456W12	FBI,BLM18AG102SH1-CP
L912	24T65331Y07	IND,LEMF2520 10RK-CP
L921	24T95456W12	FBI,BLM18AG102SH1-CP
L922	24T65331Y07	IND,LEMF2520 10RK-CP
Q801	48T75011W01	TR,2SD1782K-PQR-6-CP
Q802	48T55462Y01	TR,2SB1132-QR-100-E2
Q810	48T75366Y06	TR,FMC2-T148 -CP
Q811	48T75011W01	TR,2SD1782K-PQR-6-CP
Q812	48T55462Y01	TR,2SB1132-QR-100-E2
Q831	48T25137Y02	TR,UN9212J-TX -CP
Q832	48T25137Y06	TR,UN9216J-TX -CP
Q833	48T25137Y06	TR,UN9216J-TX -CP
Q911	48T63420F03	TR,2SA1037AK-R146-CP
Q921	48T63420F03	TR,2SA1037AK-R146-CP
R501	06S15615Y81	RES,RK 223J 1/16 -CP
R502	06S15615Y81	RES,RK 223J 1/16 -CP
R503	06S15615Y81	RES,RK 223J 1/16 -CP
R504	06S15615Y81	RES,RK 223J 1/16 -CP
R505	06S15615Y81	RES,RK 223J 1/16 -CP
R506	06S15615Y81	RES,RK 223J 1/16 -CP
R507	06S15615Y81	RES,RK 223J 1/16 -CP
R511	06S15615Y81	RES,RK 223J 1/16 -CP
R512	06S15615Y81	RES,RK 223J 1/16 -CP
R513	06S15615Y81	RES,RK 223J 1/16 -CP
R514	06S15615Y81	RES,RK 223J 1/16 -CP
R516	06S15615Y81	RES,RK 223J 1/16 -CP
R517	06S15615Y81	RES,RK 223J 1/16 -CP
R518	06S15615Y25	RES,RK 101J 1/16 -CP
R519	06S15615Y25	RES,RK 101J 1/16 -CP
R520	06S15615Y25	RES,RK 101J 1/16 -CP
R521	06S15615Y25	RES,RK 101J 1/16 -CP
R551	06S15615Y49	RES,RK 102J 1/16 -CP
R552	06S15615Y81	RES,RK 223J 1/16 -CP
R553	06S15615Y49	RES,RK 102J 1/16 -CP
R554	06S15615Y25	RES,RK 101J 1/16 -CP
R555	06S15615Y13	RES,RK 33RJ 1/16 -CP
R556	06S15615Y13	RES,RK 33RJ 1/16 -CP
R557	06S15615Y13	RES,RK 33RJ 1/16 -CP
R558	06S15615Y13	RES,RK 33RJ 1/16 -CP
R559	06S15615Y13	RES,RK 33RJ 1/16 -CP
R560	06S15615Y13	RES,RK 33RJ 1/16 -CP
R561	06S15615Y13	RES,RK 33RJ 1/16 -CP
R562	06S15615Y13	RES,RK 33RJ 1/16 -CP
R563	06S15615Y13	RES,RK 33RJ 1/16 -CP
R564	06S15615Y13	RES,RK 33RJ 1/16 -CP
R565	06S15615Y13	RES,RK 33RJ 1/16 -CP
R566	06S15615Y13	RES,RK 33RJ 1/16 -CP
R567	06S15615Y13	RES,RK 33RJ 1/16 -CP
R568	06S15615Y25	RES,RK 101J 1/16 -CP
R569	06S15615Y17	RES,RK 47RJ 1/16 -CP

R570	06S15615Y17	RES,RK 47RJ 1/16 -CP
R571	06S15615Y17	RES,RK 47RJ 1/16 -CP
R572	06S15615Y17	RES,RK 47RJ 1/16 -CP
R573	06S15615Y17	RES,RK 47RJ 1/16 -CP
R574	06S15615Y17	RES,RK 47RJ 1/16 -CP
R575	06S15615Y17	RES,RK 47RJ 1/16 -CP
R576	06S15615Y25	RES,RK 101J 1/16 -CP
R601	06S15615Y81	RES,RK 223J 1/16 -CP
R602	06S15615Y91	RES,RK 563J 1/16 -CP
R603	06S15615Y29	RES,RK 151J 1/16 -CP
R604	06S15615Y81	RES,RK 223J 1/16 -CP
R611	06S15615Y81	RES,RK 223J 1/16 -CP
R612	06S15616Y23	RES,RK JUMPER1/16-CP
R613	06S15615Y65	RES,RK 472J 1/16 -CP
R614	06S15615Y81	RES,RK 223J 1/16 -CP
R617	06S15593Y53	RES,RK 152F 1/10 -CP
R618	06S15593Y97	RES,RK 104F 1/10 -CP
R619	06S15593Y59	RES,RK 272F 1/10 -CP
R620	06S15594Y02	RES,RK 154F 1/10 -CP
R625	06S15615Y81	RES,RK 223J 1/16 -CP
R626	06S15616Y23	RES,RK JUMPER1/16-CP
R627	06S15615Y13	RES,RK 33RJ 1/16 -CP
R628	06S15615Y13	RES,RK 33RJ 1/16 -CP
R629	06S15615Y13	RES,RK 33RJ 1/16 -CP
R630	06S15615Y81	RES,RK 223J 1/16 -CP
R634	06S15615Y81	RES,RK 223J 1/16 -CP
R635	06S15615Y81	RES,RK 223J 1/16 -CP
R636	06S15615Y81	RES,RK 223J 1/16 -CP
R637	06S15615Y81	RES,RK 223J 1/16 -CP
R638	06S15615Y81	RES,RK 223J 1/16 -CP
R639	06S15615Y81	RES,RK 223J 1/16 -CP
R641	06S15615Y21	RES,RK 68RJ 1/16 -CP
R642	06S15615Y25	RES,RK 101J 1/16 -CP
R643	06S15615Y21	RES,RK 68RJ 1/16 -CP
R644	06S15615Y25	RES,RK 101J 1/16 -CP
R645	06S15615Y21	RES,RK 68RJ 1/16 -CP
R646	06S15615Y25	RES,RK 101J 1/16 -CP
R647	06S15615Y21	RES,RK 68RJ 1/16 -CP
R648	06S15615Y25	RES,RK 101J 1/16 -CP
R649	06S15615Y21	RES,RK 68RJ 1/16 -CP
R650	06S15615Y25	RES,RK 101J 1/16 -CP
R651	06S15615Y21	RES,RK 68RJ 1/16 -CP
R652	06S15615Y25	RES,RK 101J 1/16 -CP
R653	06S15615Y21	RES,RK 68RJ 1/16 -CP
R654	06S15615Y25	RES,RK 101J 1/16 -CP
R655	06S15615Y21	RES,RK 68RJ 1/16 -CP
R656	06S15615Y25	RES,RK 101J 1/16 -CP
R657	06S15615Y21	RES,RK 68RJ 1/16 -CP
R658	06S15615Y21	RES,RK 68RJ 1/16 -CP
R659	06S15615Y21	RES,RK 68RJ 1/16 -CP
R660	06S15615Y21	RES,RK 68RJ 1/16 -CP
R661	06S15615Y21	RES,RK 68RJ 1/16 -CP
R662	06S15615Y21	RES,RK 68RJ 1/16 -CP
R663	06S15615Y21	RES,RK 68RJ 1/16 -CP
R664	06S15615Y21	RES,RK 68RJ 1/16 -CP
R665	06S15615Y21	RES,RK 68RJ 1/16 -CP
R666	06S15615Y21	RES,RK 68RJ 1/16 -CP

R667	06S15615Y21	RES,RK 68RJ 1/16 -CP
R668	06S15615Y21	RES,RK 68RJ 1/16 -CP
R669	06S15615Y21	RES,RK 68RJ 1/16 -CP
R670	06S15615Y21	RES,RK 68RJ 1/16 -CP
R671	06S15615Y21	RES,RK 68RJ 1/16 -CP
R672	06S15615Y21	RES,RK 68RJ 1/16 -CP
R673	06S15615Y21	RES,RK 68RJ 1/16 -CP
R674	06S15615Y01	RES,RK 10RJ 1/16 -CP
R675	06S15615Y09	RES,RK 22RJ 1/16 -CP
R676	06S15615Y21	RES,RK 68RJ 1/16 -CP
R677	06S15615Y21	RES,RK 68RJ 1/16 -CP
R678	06S15615Y21	RES,RK 68RJ 1/16 -CP
R679	06S15615Y21	RES,RK 68RJ 1/16 -CP
R680	06S15615Y21	RES,RK 68RJ 1/16 -CP
R681	06S15615Y25	RES,RK 101J 1/16 -CP
R682	06S15615Y21	RES,RK 68RJ 1/16 -CP
R683	06S15615Y25	RES,RK 101J 1/16 -CP
R684	06S15615Y25	RES,RK 101J 1/16 -CP
R685	06S15615Y25	RES,RK 101J 1/16 -CP
R686	06S15615Y25	RES,RK 101J 1/16 -CP
R687	06S15615Y25	RES,RK 101J 1/16 -CP
R688	06S15615Y25	RES,RK 101J 1/16 -CP
R689	06S15615Y25	RES,RK 101J 1/16 -CP
R690	06S15615Y25	RES,RK 101J 1/16 -CP
R691	06S15615Y25	RES,RK 101J 1/16 -CP
R692	06S15615Y25	RES,RK 101J 1/16 -CP
R693	06S15615Y25	RES,RK 101J 1/16 -CP
R694	06S15615Y25	RES,RK 101J 1/16 -CP
R695	06S15615Y25	RES,RK 101J 1/16 -CP
R696	06S15615Y25	RES,RK 101J 1/16 -CP
R697	06S15615Y81	RES,RK 223J 1/16 -CP
R698	06S15615Y81	RES,RK 223J 1/16 -CP
R699	06S45675W43	RES,RK JUMPER1/10-CP
R701	06S15616Y23	RES,RK JUMPER1/16-CP
R702	06S15616Y23	RES,RK JUMPER1/16-CP
R703	06S15615Y17	RES,RK 47RJ 1/16 -CP
R704	06S15616Y23	RES,RK JUMPER1/16-CP
R705	06S15616Y23	RES,RK JUMPER1/16-CP
R706	06S15615Y81	RES,RK 223J 1/16 -CP
R707	06S15615Y81	RES,RK 223J 1/16 -CP
R708	06S15615Y81	RES,RK 223J 1/16 -CP
R711	06S15616Y23	RES,RK JUMPER1/16-CP
R712	06S15615Y81	RES,RK 223J 1/16 -CP
R721	06S15615Y81	RES,RK 223J 1/16 -CP
R732	06S15615Y81	RES,RK 223J 1/16 -CP
R751	06S15615Y17	RES,RK 47RJ 1/16 -CP
R752	06S15615Y17	RES,RK 47RJ 1/16 -CP
R753	06S15615Y17	RES,RK 47RJ 1/16 -CP
R754	06S15615Y17	RES,RK 47RJ 1/16 -CP
R755	06S15615Y17	RES,RK 47RJ 1/16 -CP
R756	06S15615Y17	RES,RK 47RJ 1/16 -CP
R757	06S15615Y17	RES,RK 47RJ 1/16 -CP
R758	06S15615Y17	RES,RK 47RJ 1/16 -CP
R759	06S15615Y17	RES,RK 47RJ 1/16 -CP
R760	06S15615Y17	RES,RK 47RJ 1/16 -CP
R761	06S15615Y17	RES,RK 47RJ 1/16 -CP
R762	06S15615Y17	RES,RK 47RJ 1/16 -CP

R763	06S15615Y17	RES,RK 47RJ 1/16 -CP
R764	06S15615Y17	RES,RK 47RJ 1/16 -CP
R765	06S15615Y17	RES,RK 47RJ 1/16 -CP
R767	06S15615Y17	RES,RK 47RJ 1/16 -CP
R771	06S15615Y81	RES,RK 223J 1/16 -CP
R772	06S15615Y81	RES,RK 223J 1/16 -CP
R773	06S15615Y81	RES,RK 223J 1/16 -CP
R774	06S15615Y81	RES,RK 223J 1/16 -CP
R775	06S15615Y81	RES,RK 223J 1/16 -CP
R776	06S15615Y81	RES,RK 223J 1/16 -CP
R777	06S15615Y81	RES,RK 223J 1/16 -CP
R778	06S15615Y81	RES,RK 223J 1/16 -CP
R779	06S15615Y81	RES,RK 223J 1/16 -CP
R780	06S15615Y81	RES,RK 223J 1/16 -CP
R781	06S15615Y81	RES,RK 223J 1/16 -CP
R782	06S15615Y81	RES,RK 223J 1/16 -CP
R783	06S15615Y81	RES,RK 223J 1/16 -CP
R784	06S15615Y81	RES,RK 223J 1/16 -CP
R785	06S15615Y81	RES,RK 223J 1/16 -CP
R786	06S15615Y81	RES,RK 223J 1/16 -CP
R801	06S15615Y41	RES,RK 471J 1/16 -CP
R802	06S15615Y41	RES,RK 471J 1/16 -CP
R803	06S15615Y09	RES,RK 22RJ 1/16 -CP
R804	06S45675W43	RES,RK JUMPER1/10-CP
R805	06S65522Y17	RES,RK 2R2F 1/4 -CP
R806	06S45675W06	RES,RK 104J 1/10 -CP
R811	06S15615Y41	RES,RK 471J 1/16 -CP
R812	06S15615Y41	RES,RK 471J 1/16 -CP
R813	06S15615Y09	RES,RK 22RJ 1/16 -CP
R814	06S45675W43	RES,RK JUMPER1/10-CP
R815	06S65522Y17	RES,RK 2R2F 1/4 -CP
R816	06S45675W06	RES,RK 104J 1/10 -CP
R821	06S35083Y01	RES,RK 10RF 1/4 -CP
R822	06S35083Y01	RES,RK 10RF 1/4 -CP
R825	06S15616Y23	RES,RK JUMPER1/16-CP
R826	06S15616Y23	RES,RK JUMPER1/16-CP
R827	06S15616Y23	RES,RK JUMPER1/16-CP
R830	06S15615Y25	RES,RK 101J 1/16 -CP
R831	06S15615Y49	RES,RK 102J 1/16 -CP
R832	06S15615Y23	RES,RK 82RJ 1/16 -CP
R833	06S15615Y23	RES,RK 82RJ 1/16 -CP
R835	06S15615Y25	RES,RK 101J 1/16 -CP
R844	06S15616Y23	RES,RK JUMPER1/16-CP
R849	06S15616Y23	RES,RK JUMPER1/16-CP
R850	06S15616Y23	RES,RK JUMPER1/16-CP
R851	06S15616Y23	RES,RK JUMPER1/16-CP
R852	06S15616Y23	RES,RK JUMPER1/16-CP
R853	06S15616Y23	RES,RK JUMPER1/16-CP
R854	06S15616Y23	RES,RK JUMPER1/16-CP
R855	06S15615Y25	RES,RK 101J 1/16 -CP
R856	06S15615Y73	RES,RK 103J 1/16 -CP
R857	06S15615Y73	RES,RK 103J 1/16 -CP
R858	06S15615Y25	RES,RK 101J 1/16 -CP
R859	06S15615Y25	RES,RK 101J 1/16 -CP
R860	06S15615Y73	RES,RK 103J 1/16 -CP
R861	06S45674W02	RES,RK 2R7J 1/10 -CP
R862	06S45674W02	RES,RK 2R7J 1/10 -CP

R863	06S45674W02	RES,RK 2R7J 1/10 -CP
R864	06S45674W02	RES,RK 2R7J 1/10 -CP
R865	06S45674W02	RES,RK 2R7J 1/10 -CP
R866	06S45674W02	RES,RK 2R7J 1/10 -CP
R867	06S45674W02	RES,RK 2R7J 1/10 -CP
R868	06S45674W02	RES,RK 2R7J 1/10 -CP
R869	06S45674W02	RES,RK 2R7J 1/10 -CP
R870	06S45674W02	RES,RK 2R7J 1/10 -CP
R872	06S45675W45	RES,RK 1R0J 1/10 -CP
R873	06S45675W45	RES,RK 1R0J 1/10 -CP
R874	06S45675W45	RES,RK 1R0J 1/10 -CP
R875	06S45675W45	RES,RK 1R0J 1/10 -CP
R876	06S15615Y33	RES,RK 221J 1/16 -CP
R877	06S15615Y27	RES,RK 121J 1/16 -CP
R878	06S15615Y73	RES,RK 103J 1/16 -CP
R880	06S15616Y23	RES,RK JUMPER1/16-CP
R881	06S15615Y73	RES,RK 103J 1/16 -CP
R882	06S15615Y81	RES,RK 223J 1/16 -CP
R883	06S15615Y25	RES,RK 101J 1/16 -CP
R884	06S15615Y73	RES,RK 103J 1/16 -CP
R885	06S15615Y81	RES,RK 223J 1/16 -CP
R886	06S15615Y25	RES,RK 101J 1/16 -CP
R889	06S15615Y25	RES,RK 101J 1/16 -CP
R890	06S15615Y81	RES,RK 223J 1/16 -CP
R891	06S15616Y23	RES,RK JUMPER1/16-CP
R896	06S15615Y73	RES,RK 103J 1/16 -CP
R897	06S15615Y73	RES,RK 103J 1/16 -CP
R901	06S15616Y32	RES,RK 6R8J 1/16 -CP
R902	06-02713Z03	RES,RK 223D 1/16 -CP
R903	06-02713Z01	RES,RK 33RD 1/16 -CP
R904	06-02712Z01	RES,RK 121D 1/16 -CP
R905	06-02712Z04	RES,RK 471D 1/16 -CP
R906	06S15616Y23	RES,RK JUMPER1/16-CP
R907	06S15616Y23	RES,RK JUMPER1/16-CP
R911	06-02741Z01	RES,RK 331D 1/16 -CP
R912	06-02741Z01	RES,RK 331D 1/16 -CP
R913	06S15615Y09	RES,RK 22RJ 1/16 -CP
R914	06S45674W45	RES,RK 331J 1/10 -CP
R915	06S45674W45	RES,RK 331J 1/10 -CP
R921	06S15593Y37	RES,RK 331F 1/10 -CP
R922	06S15593Y37	RES,RK 331F 1/10 -CP
R923	06S15615Y09	RES,RK 22RJ 1/16 -CP
R924	06S45674W45	RES,RK 331J 1/10 -CP
R925	06S45674W45	RES,RK 331J 1/10 -CP
R926	06S15615Y31	RES,RK 181J 1/16 -CP
R927	06S45675W43	RES,RK JUMPER1/10-CP
SD801	48-04465Z01	DIO,MA2711100L-TX-CP
SD802	48-04465Z01	DIO,MA2711100L-TX-CP
TH601	48T75201Y03	TMT,NCP15XH103F0S-CP
TH602	48T75201Y03	TMT,NCP15XH103F0S-CP
XL601	91T75115Y01	XTL,FXO-64FL2 27M-E2
Z571	91T75196Y03	EMI,BK1005LL100 -CP
Z572	91T75196Y03	EMI,BK1005LL100 -CP
Z573	91T75196Y03	EMI,BK1005LL100 -CP
Z574	91T75196Y03	EMI,BK1005LL100 -CP
Z575	91T75196Y15	EMI,BK1005HM121 -CP
Z576	91T75196Y15	EMI,BK1005HM121 -CP

Z577	91T75196Y15	EMI,BK1005HM121 -CP
Z578	91T75196Y15	EMI,BK1005HM121 -CP
Z579	91T75196Y15	EMI,BK1005HM121 -CP
Z580	91T75196Y15	EMI,BK1005HM121 -CP
Z581	91T75196Y24	EMI,BK1005LL241 -CP
Z582	91T75196Y03	EMI,BK1005LL100 -CP
Z583	91T75196Y03	EMI,BK1005LL100 -CP
Z584	91T75196Y03	EMI,BK1005LL100 -CP
Z585	91T75196Y03	EMI,BK1005LL100 -CP
Z586	91T75196Y03	EMI,BK1005LL100 -CP
Z840	91T75196Y13	EMI,BK1005HS241 -CP
Z841	91T75196Y13	EMI,BK1005HS241 -CP
Z842	91T75196Y13	EMI,BK1005HS241 -CP
Z843	91T75196Y13	EMI,BK1005HS241 -CP
Z845	91T75196Y13	EMI,BK1005HS241 -CP
Z846	91T75196Y13	EMI,BK1005HS241 -CP
Z847	91T75196Y13	EMI,BK1005HS241 -CP
Z848	91T75196Y13	EMI,BK1005HS241 -CP
ZD901	48T55269Y01	DIO,ZEN LM4041CIM3CP

======= Miscellaneous

ANT001	01T02127K10	ASSY,ANT CABLE 9811A
CB801	09T35473Y16	WTB,F169B001-16 -DB
CH703	01T01885K02	ASSY,WIRE2P9835
CH501	01T55421Y02	ASSY,UNIZON CONN 99J
CH4401	09T25444Y15	BTB,55323-1511 -B
DIN901	09-02960Z01	DIN,DSW-06 -DB
DIN701	01T35496Y12	ASSY,WIRE DIN 9965
EL4401	65-01460Z01	UEL102
ET704	09-04119Z01	ASSY,ATFD-0665-01A
ET301	01T45494Y03	ASSY,RCA REAR-E9965
ET601	09-04232Z01	ASSY,ATFC-0482-01A
JK201	09-03455Z01	RCA,AV6-8.4-30 -DB
JK601	09T75358W02	JAC,HSJ1102-01-520DB
JK701	09T55293Y01	JAC,HSJ6061-01-440DB
IC2001	51T75111W01	TOTX193 -DS
M703	59T65085W01	MOTOR,LOAD FF-050SK
SP201	50-02967Z01	SPEAKER,SU2516-21
SW501	40T15494Y13	SW,DETCT SPVG1303-E6
SW502	40T15494Y12	SW,DETCT SPVG2303-E6
SW4404	40T55277Y04	ENC,EC11E1544509 -B

=======DV37M150

HD101	EP-00830Z01	ED21A51L
M101	59-01510Z01	MOTOR,M1N10FB95G
M102	59-02071Z01	MOTOR,24C0303020
M103	59T65142Y01	MOTOR,MSDV020L01
SW406	40T15494Y12	SW,DETCT SPVG2303-E6
SW801	40T55230Y01	SW,DETCT ESE13V01CE5
SW802	40T55230Y01	SW,DETCT ESE13V01CE5
SW803	40T55043Y02	SW,DETCT SPVL12 -E5
SW804	40T15494Y12	SW,DETCT SPVG2303-E6
SW805	40T55230Y01	SW,DETCT ESE13V01CE5

Electrical Parts List (Power Supply Unit)

* Each parts on P.W.Board are described in order of the reference number.

=======PWR P.W.Board

C8002	08T15807W05	CAP,CP 104-B-K-1H
C8003	08T15807W05	CAP,CP 104-B-K-1H
C8004	08S45676W80	CAP,CER 223K-B1E -CP
C8006	08S45676W80	CAP,CER 223K-B1E -CP
C8007	08S45676W80	CAP,CER 223K-B1E -CP
C8008	08S45539Y04	CAP,CER 103KX7R2J-CP
C8010	08S45677W43	CAP,CER 201J-CH1H-CP
C8011	08S45677W43	CAP,CER 201J-CH1H-CP
C8012	08S45676W80	CAP,CER 223K-B1E -CP
C8013	08S45676W80	CAP,CER 223K-B1E -CP
C8026	08S45539Y04	CAP,CER 103KX7R2J-CP
C8027	08S45539Y04	CAP,CER 103KX7R2J-CP
C8028	08S45539Y04	CAP,CER 103KX7R2J-CP
C8029	08S45539Y04	CAP,CER 103KX7R2J-CP
C8030	08S45539Y04	CAP,CER 103KX7R2J-CP
C8031	08S45539Y04	CAP,CER 103KX7R2J-CP
C8101	08T15807W05	CAP,CP 104-B-K-1H
C8103	08S45676W80	CAP,CER 223K-B1E -CP
C8104	08S45676W80	CAP,CER 223K-B1E -CP
C8105	08S45676W80	CAP,CER 223K-B1E -CP
C8107	08S45676W63	CAP,CER 152K-B1H -CP
C8108	08S45676W80	CAP,CER 223K-B1E -CP
C8111	08S45676W80	CAP,CER 223K-B1E -CP
C8114	08S45676W80	CAP,CER 223K-B1E -CP
CB8101	09T25436Y02	WTB,53253-0210 -DB
D8105	48T25593Y01	DIO,S1G-6904 -E1
D8106	48T25593Y01	DIO,S1G-6904 -E1
D8107	48T25593Y01	DIO,S1G-6904 -E1
E8006	23-02343Z13	CAP,KZE 471-1E -R5
E8007	23-02343Z13	CAP,KZE 471-1E -R5
E8008	23-02343Z13	CAP,KZE 471-1E -R5
E8010	23-02343Z13	CAP,KZE 471-1E -R5
E8101	23S95415W11	CAP,ELY 22R-1V -R2
E8102	23S95415W17	CAP,ELY 1R0-1H -R2
E8103	23-02343Z09	CAP,KZE 102-1C -R5
E8104	23S95415W17	CAP,ELY 1R0-1H -R2
E8105	23-02343Z09	CAP,KZE 102-1C -R5
E8106	23-02343Z13	CAP,KZE 471-1E -R5
E8107	23-02343Z13	CAP,KZE 471-1E -R5
E8108	23-02343Z13	CAP,KZE 471-1E -R5
IC8001	51T25259Y01	BA00AST -IS
IC8002	51T25259Y03	BA00ASFP-E2 -NE5
IC8003	51T15131Y01	NJM2360AM-TE2 -SE6
IC8004	51T15131Y01	NJM2360AM-TE2 -SE6
IC8101	51T25259Y03	BA00ASFP-E2 -NE5
IC8102	51T65661Y01	PQ30RV31 -NS
IC8103	51-03972Z01	BA7810T-V5 -ZS
IC8104	51-03972Z01	BA7810T-V5 -ZS
L8003	24T25368Y16	IND,SLF10145T471M-EA
L8005	24T25368Y07	IND,SLF10145 101M-EA
Q8001	48T35569Y01	TR,2SD1802-TL -E5

Q8002	48T35569Y01	TR,2SD1802-TL -E5
Q8101	48T35548Y04	TR,2SB710A-S-TX -CP
Q8102	48T64222F02	TR ,UN2212 22-22 -TX
Q8103	48T35680Y01	TR,2SC4688 -DB
Q8104	48T93828F04	TR,2SD1994A-S-TA -RD
Q8105	48T65687Y01	TR,2SA1803 -DB
Q8106	48T93828F04	TR,2SD1994A-S-TA -RD
R8001	06S15593Y76	RES,RK 133F 1/10 -CP
R8002	06S15593Y49	RES,RK 102F 1/10 -CP
R8003	06S15593Y57	RES,RK 222F 1/10 -CP
R8004	06S55361Y65	RES,RK 102J 1/4 -CP
R8005	06S55361Y82	RES,RK 512J 1/4 -CP
R8007	06S55362Y40	RES,RK 1R0J 1/4 -CP
R8008	06S55362Y40	RES,RK 1R0J 1/4 -CP
R8009	06S55361Y50	RES,RK 241J 1/4 -CP
R8010	06S55362Y40	RES,RK 1R0J 1/4 -CP
R8011	06S55362Y40	RES,RK 1R0J 1/4 -CP
R8012	06S55361Y50	RES,RK 241J 1/4 -CP
R8013	06S15593Y65	RES,RK 472F 1/10 -CP
R8014	06S55362Y40	RES,RK 1R0J 1/4 -CP
R8015	06S55362Y40	RES,RK 1R0J 1/4 -CP
R8016	06S15593Y59	RES,RK 272F 1/10 -CP
R8017	06S15593Y89	RES,RK 473F 1/10 -CP
R8018	06S15593Y57	RES,RK 222F 1/10 -CP
R8020	06S55361Y37	RES,RK 68RJ 1/4 -CP
R8021	06S15593Y85	RES,RK 333F 1/10 -CP
R8023	06S55361Y47	RES,RK 181J 1/4 -CP
R8030	06S55361Y47	RES,RK 181J 1/4 -CP
R8031	06S55361Y37	RES,RK 68RJ 1/4 -CP
R8043	06S15593Y75	RES,RK 123F 1/10 -CP
R8044	06S15593Y41	RES,RK 471F 1/10 -CP
R8045	06S15593Y56	RES,RK 202F 1/10 -CP
R8046	06S55361Y79	RES,RK 392J 1/4 -CP
R8047	06S55362Y40	RES,RK 1R0J 1/4 -CP
R8048	06S55362Y40	RES,RK 1R0J 1/4 -CP
R8101	06S55361Y65	RES,RK 102J 1/4 -CP
R8102	06S15593Y75	RES,RK 123F 1/10 -CP
R8104	06S15593Y55	RES,RK 182F 1/10 -CP
R8106	06S55361Y81	RES,RK 472J 1/4 -CP
R8107	06S55361Y97	RES,RK 223J 1/4 -CP
R8108	06S55361Y89	RES,RK 103J 1/4 -CP
R8109	06S55361Y81	RES,RK 472J 1/4 -CP
R8110	06S55361Y51	RES,RK 271J 1/4 -CP
R8112	06S55361Y01	RES,RK 2R2J 1/4 -CP
R8114	06S55361Y53	RES,RK 331J 1/4 -CP
R8117	06S15593Y62	RES,RK 362F 1/10 -CP
R8118	06S15593Y93	RES,RK 683F 1/10 -CP
R8119	06S15593Y45	RES,RK 681F 1/10 -CP
R8122	06S15593Y51	RES,RK 122F 1/10 -CP
R8123	06S15593Y85	RES,RK 333F 1/10 -CP
R8124	06S15593Y42	RES,RK 511F 1/10 -CP
R8127	06S15593Y57	RES,RK 222F 1/10 -CP
R8128	06S15593Y86	RES,RK 363F 1/10 -CP
R8129	06S15593Y54	RES,RK 162F 1/10 -CP
R8133	06S15593Y66	RES,RK 512F 1/10 -CP
R8134	06S15593Y67	RES,RK 562F 1/10 -CP
SD8001	48T65122W01	DIO,SHT SS14-6600-E1

SD8002	48T65122W01	DIO,SHT SS14-6600-E1
ZD8101	48T25766W08	DIO,ZEN.HZS 6C2L -R5
ZD8102	48T25766W22	DIO,ZEN.HZS 9B2L -R5
=======Miscellaneous		
CB8001	09T55175W16	CON,53377-1620
M8101	59T55190Y05	MOTOR,F3010CU-12PCV

Cabinet Assembly Parts List (DVD Unit)

NOTE : The part that has not PART NUMBER will not be supplied.

2	09T84840F02	LUG,STYLE 32MM
3	-----------	BKT,CHAS REAR
4	03S60824Y10	SCR,WEV 3X8 ZN A
5	TU-01035Z01	MB4W4070,F/E UNIT(FE101)
6	-----------	GND,PANEL -RD
8	36-01835Z01	KNOB,HOLDER
9	03-02876Z12	SCR,WEV 1.7X5 ZB A
11	15-01846Z01	COVER,OELD
12	14-02421Z01	INS,TAPE OELD
13	14-02420Z02	INS,OELD
14	30T65640Y14	SML2CD-30X29.0-ADX6
19	41T15030Y04	SPR,97-520-02-02
20	-----------	BKT,MECH
21	03S60822Y06	SCR,S-T 2.6X4 ZN A
22	14S70565Y79	INS,CVR 48X7XT0.55
23	DV-02996Z01	DV37M150
24	30T65640Y13	SML2CD-45X122.0-BDX6
25	30T25125Y09	SML2SC-24(2)X122.0
26	66-04099Z02	ASSY,NOSE UNIT HAAR401A
27	EN-01951Z08	NOSE,PIECE ASSY(H)
28	13-01843Z01	NOSE,BOTTOM(H)
29	41A50111W12	SPRING,RELEASE
30	36-01851Z01	KNOB,ROTARY ASSY
31	36-01838Z01	KNOB,PRESET
32	36-01839Z01	KNOB,PRESET BASE
33	40-02172Z02	ASSY,SMK010001B
34	14-06104Z01	INS,CVR SLIDER
35	14-05162Z01	INS,SLIDER
36	-----------	COVER,TOP
37	-----------	HEAT,SINK
38	15C71937W01	COVER,CONN.D-OUT
39	03S60822Y12	SCR,S-T 2.6X6 ZN A
40	03S60822Y27	SCR,S-T 2.6X14 ZN A
41	03S20655Y05	SCR,S-TITE M2.6X6.5
42	33C04102K01	FACE,PLATE
43	03-00712Z27	SCR,MCH 1.7X3 ZBNA
44	13-01845Z01	NOSE,BASE COVER
45	14-03680Z01	INSULATOR,MAIN
46	EN-02471Z01	NOSE,BASE ASSY
47	75-03681Z01	CUSHION,SP
48	03S60823Y01	SCR,P-T 1.7X6 ZN A
49	07-03994Z01	BKT,SIDE L
50	07-03994Z02	BKT,SIDE R
52	75S61553Y99	CUS,RUB 100X30XT0.5
53	01T75451W22	ASSY,WIRE D-OUT 9965(ET2001)
54	64A51492W01	PLATE,SERIAL NO.
101	-----------	CHAS,BASE
102	07-02022Z01	BKT,RIV SLIDER
103	07-02025Z01	BKT,RIV BASE L
104	07-02023Z02	BKT,RIV ARM L
105	07-02023Z01	BKT,RIV ARM R
106	41-01976Z01	SPRING,WORM

107	41-01972Z01	SPRING,SLIDER
108	44A01840K01	GEAR,WORM
109	44-01975Z01	GEAR,DRIVE
110	44-01974Z01	GEAR,SLIDER
111	44-01037Z01	GEAR,CLUTCH ASSY
112	43-01453Z01	BUSH,SLIDER LOW
113	43-01453Z03	BUSH,SLIDER REAR
114	43-01453Z04	BUSH,SLIDER CENTER
115	43-01973Z01	BUSH,ARM
116	07-02024Z01	BKT,RIV BASE R
117	01C01750K03	ASSY,BKT F BASE
118	03A20851Y02	SCR,SLIDER
119	03S68259F23	SCR,P-LOCK M2X3
120	03S94385F13	SCR,NYLOK M2.6X3
121	03S60820Y18	SCR,MCH 2X3.5 ZNSA
122	04B41345P54	WASHER,LOCK
123	04B41345P23	WASH,1.7X5X0.35
124	43-01453Z02	BUSH,SLIDER UP

Cabinet Assembly Parts List (Power Supply Unit)

NOTE : The part that has not PART NUMBER will not be supplied.

2	09T84840F02	LUG,STYLE 32MM
3	07T45101Y01	OSH-7030S-SP
4	03S30688Y05	SCR,MCH M3X8 BI SU
5	07T75275Y02	OSH-2430S-SFL
6	-----------	COVER,TOP
7	-----------	CHAS,BOTTOM
8	-----------	BKT,FAN
9	03S20655Y05	SCR,S-TITE M2.6X6.5
10	03S60822Y12	SCR,S-T 2.6X6 ZN A
11	03-00712Z29	SCR,MCH 2X14 ZBNA
12	14S31545Y14	INS,CVR 155X6XT0.5

DVD Deck Mechanism Assembly Parts List

NOTE : The part that has not PART NUMBER will not be supplied.

2	01A51490Y24	ASSY,RIV GUIDE TOP
3	-----------	CHASSIS,TOP
4	41A60338Y01	SPRING,DRIVE F-L
5	41A60339Y01	SPRING,DRIVE F-R
6	41A60340Y01	SPRING,DRIVE R
7	41A60344Y01	SPRING,LEV ROLL-L
8	03S94385F19	SCR,NYLOK M2X2.5
9	43-03093Z03	ROLLER,DISC PIN
12	14-01064Z01	INSULATOR,PWB L2
13	-----------	ASSY,RIV CHAS BASE
14	45C51003Y10	LEVER,TRIGER MAIN
15	41A51395Y01	SPRING,LEV TRG MAIN
16	45A50833Y11	LEVER,LINK SLDR(R)
17	45B51221Y11	SLIDER,LOCK(R2)
18	41A51396Y01	SPRING,SLD LOCK(R2)
19	45C51237Y10	SLIDER,LOCK(R1)
20	44A50829Y11	GEAR,LOAD(E)
21	45-01051Z03	SLIDER,DISC SW(L)
22	45-01052Z03	SLIDER,DISC SW(R)
23	45B50838Y11	LEVER,LOCK(RC)
24	41A60343Y01	SPRING,LEV LOCK-RC
26	41-02948Z01	SPRING,LEV DISC
27	04B41345P14	WASH,L. 2.1X4X0.25
28	75C60456Y03	DAMPER,DV-TM
29	75C60456Y02	DAMPER,DV-TM
30	14A51712Y01	INSULATOR,FPC
31	03S94385F07	SCR,NYLOK M2X2
32	45D51236Y10	SLIDER,LOCK(L)
33	01A51491Y11	ASSY,RIV LEV ASST
34	44-02001Z03	ASSY,SLIDER TRIGER 2
35	41A60348Y01	SPRING,SLD TRIGER
36	04B41345P15	WASH,1.2X3.5X0.35
37	49A51397Y03	ROLLER,DV-TM
38	43A51228Y11	BUSH,ARM GUIDE
39	45-02722Z03	LEVER,ROLLER(L)2
40	45-02723Z03	LEVER,ROLLER(R)2
41	41A60360Y01	SPRING,ARM GUIDE
42	45-01385Z03	ARM,DISC GUIDE
43	45B60959Y11	ARM,DISC GUIDE-L
44	45B60960Y11	ARM,DISC GUIDE-R
45	04S40075G09	WASH,2.6X4.7X0.25
46	14A61435Y01	INSULATOR,ARM DISC
47	47A51349Y01	SHAFT,ROLLER
48	44-01531Z03	GEAR,ROLLER-2
49	04B41345P02	WASH,1.7X3.5X0.25
50	07-01606Z03	ASSY,RIV BKT LD-F-3
51	47-01479Z01	SHAFT,LOAD
52	44A50827Y11	GEAR,LOAD(C)
53	44-01532Z03	GEAR,LOAD(F)-2
54	84-01207Z01	FPC,LOAD
55	07-01177Z03	ASSY,RIV BKT LOAD(R)
56	01A51487Y11	ASSY,RIV BKT LD-R2

57	44A50825Y11	GEAR,LOAD(A)
58	44A50826Y11	GEAR,LOAD(B)
59	07B51226Y11	BKT,SHAFT LOAD
60	03S30688Y17	SCR,MCH M1.4X2
61	04B41345P11	WASH,1.2X2.5X0.25
62	45B51235Y10	SLIDER,ARM LIFT(R)
63	41A60336Y01	SPRING,CLAMP-R
64	41A60335Y01	SPRING,CLAMP-L
65	41A60337Y01	SPRING,CLAMP-RTL
66	- - - - - - - - - - -	ASSY,RIV ARM CLAMP
67	43-01054Z03	STOPPER,CLAMP
68	43-01049Z02	TABLE,CLAMPER
69	- - - - - - - - - - -	ASSY,RIV CHAS PICKUP
70	07-01053Z03	BKT,SPINDLE ADJUST
72	07A50823Y11	BKT,SHAFT PICKUP
73	47A51347Y01	SHAFT,PICKUP MAIN
74	47-01057Z01	SHAFT,PICKUP SUB
75	41B50836Y11	SPRING,NUT
76	15A51210Y11	COVER,MAIN
77	03S94385F09	SCR,NYLOK M2X3 P2
78	45C51234Y02	SLIDER,8CM
79	01B61577Y10	ASSY,RIV LEVER-8L
80	45A51231Y10	LEVER,TRIGER 8CM
81	45-02638Z03	LEVER,TRIGER SUB2
82	41A51394Y01	SPRING,LEV 8CM(L)
83	41A60346Y01	SPRING,LEV TRG-SUB
84	41A60347Y01	SPRING,SLD 8CM
86	07A60069Y11	BKT,SLIDER 8CM
87	15B61279Y11	SPACER,DAMPER
88	03S94385F98	SCR,NYLOK M2X2.5
89	14-01063Z01	INSULATOR,PWB R2